



SiBO

PROFESSIONAL
WATER
PRODUCTS

Chapter 6

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Pre-filters



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February 2015

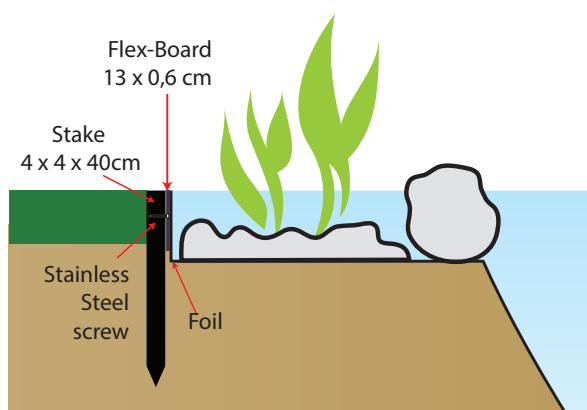
FLEX-BOARD FLEXIBLE EDGING

code 374

Flexible plastic border out of 100% recycled plastic (PE and PP).

- Colour: black/dark grey.
- Maintenance free.
- Long lasting.
- Easy handling.
- Shock resistant.
- Height: 13 cm, thickness: 6mm, size of roll: 25 m.
- Ideal for pond construction, garden borders, etc.
- Recommendation: use one stake every 50 cm.

TYPE	ARTNR.	EURO
Flex-Board 13 cm L = 25 mtr	MD740	65,00
Stake 40cm (4 x 4 cm) for Flex-Board	MD745	2,00



FLUID ART TURBO VORTEX SOLIDS SEPARATOR PREFILTER

code 827

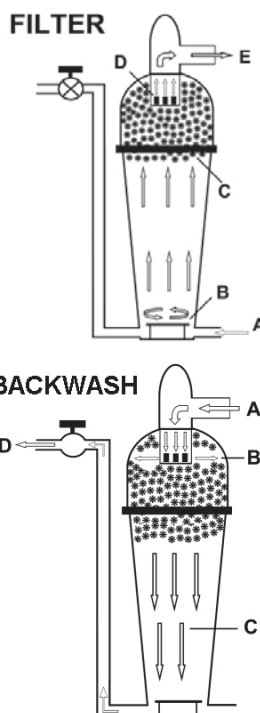
The Turbo Vortex is the ideal pre-filter in a closed circuit system. It requires very little space (height: 125 cm and diameter: 35 cm) and is as effective as a large vortex. Maximum flow rate: 25m³/h.

Filtration: pond water enters the TurboVortex in **A** and the special construction of the unit creates a circular movement in the lower part of the vortex (**B**). This causes the solid waste to precipitate and collect on the bottom. Floating solids like dead leaves and algae are stopped by a layer of floating bio balls (**C**). Water can exit the vortex only through the perforated tube (**D**) to the pump (**E**).

Backwash: If the 2-way valve is set to "backwash", water is pumped directly from the pond into the vortex through **A**. Water under pressure goes through the perforated tube (**B**), the bottom of which is sealed. This forces the water out sideways against the wall of the TurboVortex so that the bio balls are washed by the turbulence. Dirty water exits the unit in **C**, flushing out any accumulated solids. Waste water is pumped to the sewer through a pipe fitted with a ball valve.

The TurboVortex can be installed above or below the water level of the pond, **IN FRONT OF** a self-priming pump. Shipped with a 2-way valve as well as several accessories.

TYPE	ARTNR.	EURO	SIZE HEIGHT x Ø	MEDIA
Turbovortex	SK124	827,00	125 x 35 cm	8 ltr bioballs



MULTICYCLONE CENTRIFUGAL WATER FILTER

code 721

The MultiCyclone is a filtration device that is capable of saving water and reducing filter maintenance. The MultiCyclone works on the basis of centrifugal water filtration. There are no moving parts to wear and tear and no filter media to clean or replace.

How does it work?

Incoming water is guided by a diverter plate so that it enters multiple hydro cyclones tangentially, generating a strong centrifugal effect. This spins the sediment out to the hydro cyclone's wall and then spirals it down to the sediment sump, while the cleansed water spirals upwards. The accumulation of sediment can be visibly monitored through the MultiCyclone's clear sediment sump. It is cleaned by simply opening the purge valve. Only 15l litres of water is discharged to clean the unit of sediment.

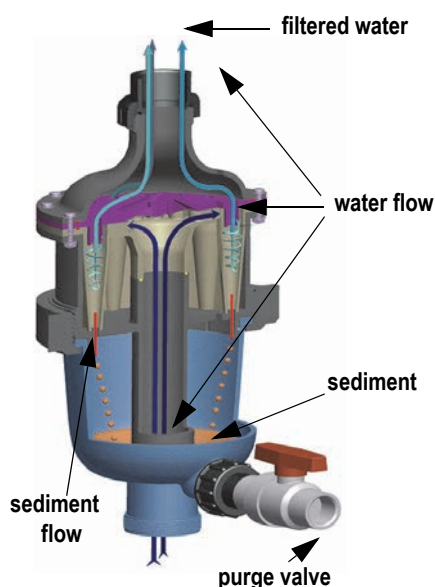
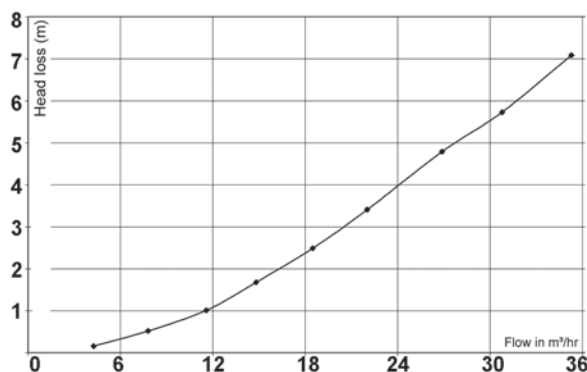
The MultiCyclone is ideal as a pre-filter to extend the life of your

existing filter. The filtration efficiency of the MultiCyclone was tested by feeding 5 to 80 micron dust particles through the MultiCyclone and analyzing the percentage of dust particles trapped in the sediment bowl. The laboratory test revealed that the Multi Cyclone was effective in filtering particles sized 40 to 80 microns.

The unit works together with a sand, cartridge, bead or DE filter to polish the water. It allows the installation of finer filtration systems, such as cartridge filters with finer cartridges and the sand filters with finer filter media. Finer filtration systems can be installed without the burden of extra maintenance. The water ends up clearer with less up keep.

- The unit is supplied with both 2"/63mm quick connect unions.
- Minimum flow is 3m³/h, max. flow is 30m³/h.
- Max. pressure is 4 bar.
- The MultiCyclone must be installed after the pump.

TYPE	ARTNR.	EURO
MultiCyclone	RD542	356,00
MultiCyclone foot	RD543	50,15



AQUAFORTE COMPACTSIEVE II PUMP FED SIEVE FILTER

code 827

Compact version of the UltraSieve for use only in a pump fed configuration. The Stainless Steel filter element has a width of 24 cm and a length of 40 cm with 300 micron openings. Maximum flow rate is approximately 15 m³/h. Pump inlet: 25/32/40mm hose tail. Housing: dark-green or blue granite coloured PE. Shipped with cover. Output and overflow: 75mm push fittings. Very easy to use: a dirty water pond pump is connected directly to the CompactSieve input. The water flows through the sieve which removes all particle matter down to a size of 300 micron. The CompactSieve must always be installed above pond level. Now available in dark green and granite blue.

**AQUA
FORTE**

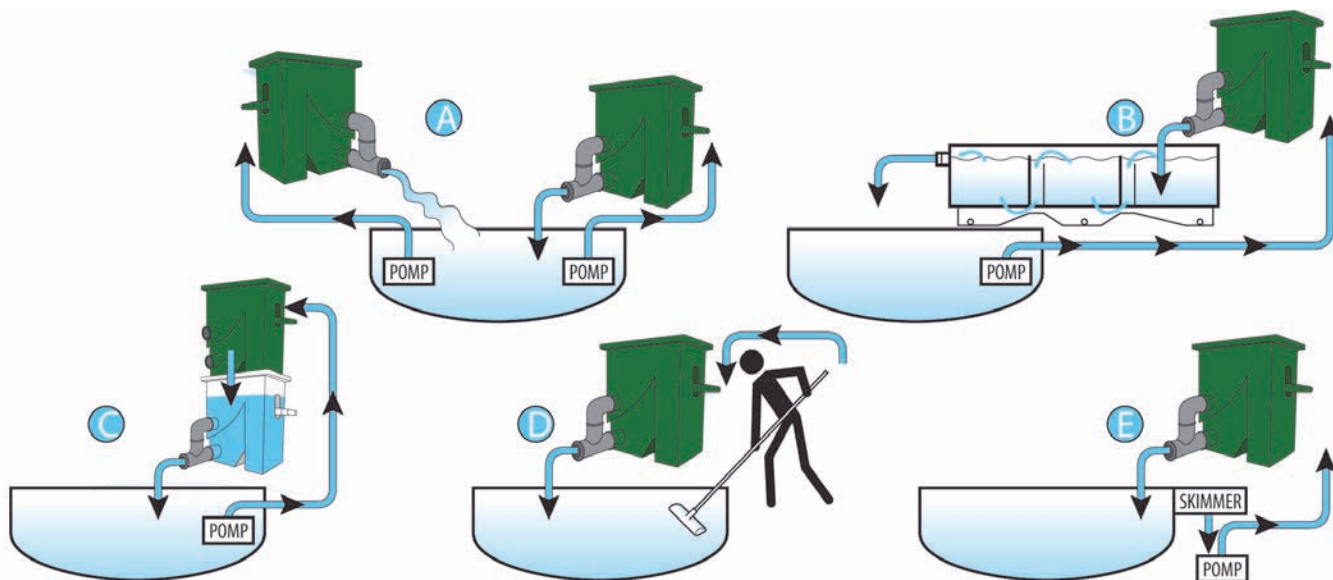
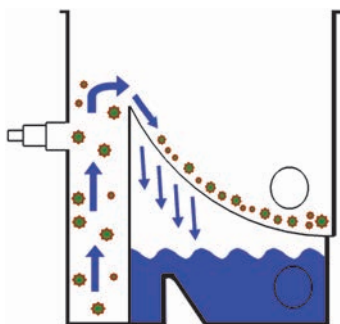
Applications:

- As a particle remover directly next to the pond or to a waterfall/stream return to pond **(A)**.
- As a mechanical particle waste pre-filter before surface mounted biological stages **(B)**.
- As a mechanical pre-filter for existing trickle filter systems **(C)**.
- The unit can be connected to a pond vacuum cleaner and the returned water from the vacuum cleaner can be fed into the input hose tail via a T-piece or directly. For extra particle removal and saving your precious matured pond water **(D)**.
- The unit can be connected to an existing pumped pond skimmer system. The unit must be mounted above pond water level **(E)**.



**NOW ALSO
AVAILABLE IN A
BLUE GRANITE COLOUR**

TYPE	ART. NR.	EURO	SIZE L x W x H
CompactSieve 300µ green	SK306	242,00	49 x 32 x 55
CompactSieve 300µ blue	SK308	242,00	49 x 32 x 55
Filter housing (without sieve)	SK290	136,00	49 x 32 x 55
Separate sieve element 300µ	SK315	86,80	24,4 x 40



AQUAFORTE ULTRASIEVE "MIDI" GRAVITY FED SIEVE FILTER

code 827

The smaller version of the successful UltraSieve III is here!

The perfect solution for pump capacities up to $\pm 12\text{m}^3/\text{h}$ (MidiSieve) or $15\text{m}^3/\text{h}$ (MidiSieve XL). The most ideal pre-filter! Create a compact filter system by combining the UltraSieve MIDI with a beadfilter or other pump fed filters.

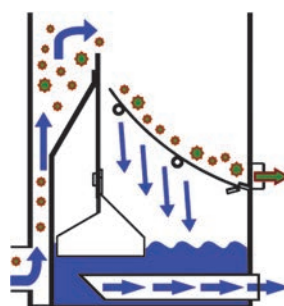
The pump connection comes with a long suction pipe which draws the water from under the float to prevent air suction.

- 110mm Inlet.
- 2" Male thr. pump connection with 63mm PVC fitting.
- 2" Male thr. connection with end cap for waste removal (MidiSieve XL= 50mm).
- **Extreme compact dimensions!**
- Comes with a 300 micron Stainless Steel screen.

TYPE	ARTNR.	EURO	SIZE L x W x H	PUMP CAP.
UltraSieve MIDI 300 micron	SK332	599,00	56 x 27 x 74cm	$\pm 12\text{m}^3/\text{h}$
MIDI Sieve XL 300 micron	SK348	638,00	56 x 27 x 89cm	$\pm 15\text{m}^3/\text{h}$
Lid for UltraSieve MIDI	SK334	30,35	56 x 27 x 0,6cm	-
Separate sieve element 300 μ	SK315	86,80	24,4 x 40 cm	-



**AQUA
FORTE**



AQUAFORTE SMARTSIEVE GRAVITY FED SIEVE FILTER

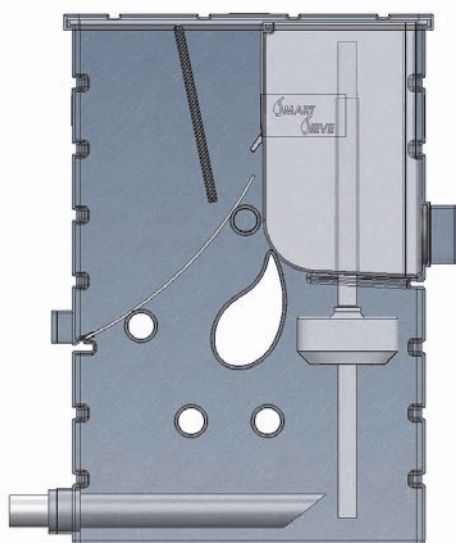
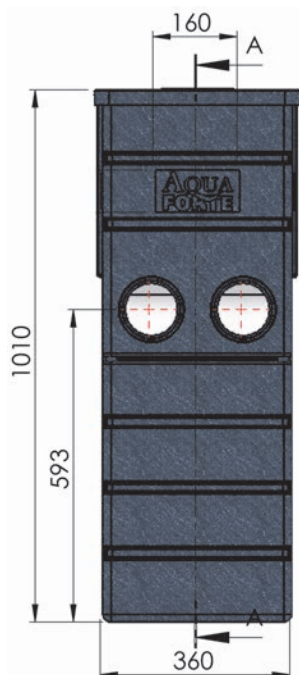
code 827

A new breakthrough in technology and price level! The SmartSieve is a gravity fed sieve filter fully made of Polyethylene. Comes with 300 micron Stainless Steel sieve element. Pump capacity $\pm 25\text{m}^3/\text{h}$. Inlet: 2 x 110mm. Waste outlet: 63mm. Pump outlet 90/63mm (provided with 63mm suction pipe). Heavy duty cover included! Colour: granite blue.

**AQUA
FORTE**

TYPE	ARTNR.	EURO	SIZE L x W x H	PUMP CAP.
SmartSieve	SK240	495,00	67 x 36 x 101 cm	$\pm 25\text{m}^3/\text{h}$
Separate sieve element 300 micron	SK216	155,00	45 x 34,5 cm	-

NEW!



AQUAFORTE ULTRASIEVE® III GRAVITY FED SIEVE FILTER

code 827

The most compact, gravity fed, sieve filter with the highest pump capacity!

For years this has been the leading and most reliable pre-filter for professional koi ponds. Now supplied with an extra large waste outlet, including a slide valve 90/110mm!



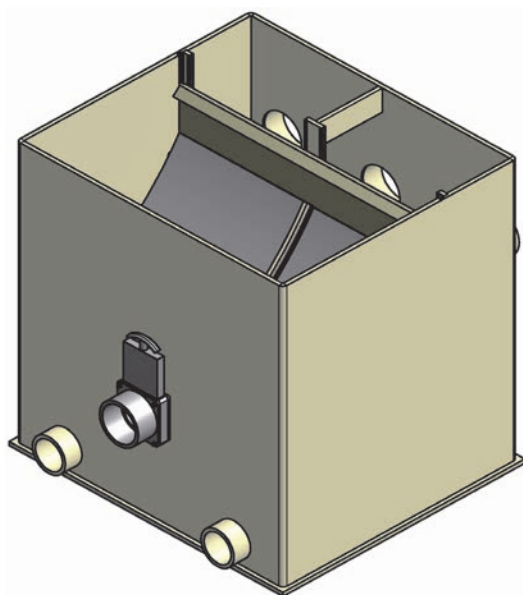
How it works: Pond water will flow over the top of the self-adjusting weir (A). This weir is connected to the float so its height is automatically adjusted. This system will ensure that the exact amount of water that is pumped out the filter will enter the filter on the inlet.

The UltraSieve III comes with a pump connection of a 2" male threaded adaptor. The pump connection comes with a long suction pipe which draws the water from under the float to prevent air suction.

- 2 or 3 inlets (110mm).
- Patented flow regulation.
- **Extra large waste outlet, incl. slide valve 90 / 110mm!**
- Strong polypropylene house.
- Screen 200 or 300 micron.
- Optional lid available.

NEW! UltraSieve Extra Wide with 3 inlets 110mm and two pump connections 90/63mm

TYPE	ART. NR.	EURO	SIZE L x B x H	PUMP CAP.	SIEVE ELEMENT
UltraSieve III 200 (extra fine)	SK210	825,00	65 x 37 x 99 cm	±30m³/h	200 micron
UltraSieve III 300 (standard)	SK211	825,00	65 x 37 x 99 cm	±30m³/h	300 micron
UltraSieve III 300 with 3 inlets	SK258	895,00	65 x 37 x 99 cm	±30m³/h	300 micron
UltraSieve Extra Wide (3 inlets)	SK200	1225,00	64 x 72 x 75 cm	±40m³/h	300 micron
Separate sieve element 200	SK214	177,00	45 x 34,5 cm	-	200 micron
Separate sieve element 300	SK216	155,00	45 x 34,5 cm	-	300 micron
Lid for UltraSieve	SK218	32,00	65 x 37 x 1 cm	-	-
Lid for UltraSieve Extra Wide	SK204	65,00	64 x 72 x 1 cm	-	-

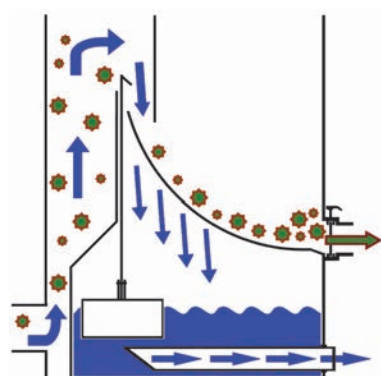


ULTRASIEVE EXTRA WIDE

More details at www.aqua-forte.com



patent nr. 1026138



3 x 110mm



AQUAFORTE PROFESSIONAL DRUM FILTERS

code 828

Drum filters are not new in the (koi)pondscene but it has taken a while before we had one worthy of the name AquaForte!

These drum filters comply the highest standards in use, material quality and safety. A big advantage of these drum filters is the fully open inlet of the drum on the collection chamber side. This enables manual waste removal like twigs, leaves, blanket weed, etc. This collection chamber also comes with a overflow protection pipe that allows water passage to protect the pump from running dry in case the drum does not rotate for any reason.

Another advantage is that the spray nozzles can operate with standard tap water pressure (min. 1,5 bar) so there is no need for a separate pump! The drum filters come with a clear water pump connection in case the available pressure is lower than 1,5 bar. Furthermore, the discharge gutter has an extra water connection

to flush out the waste with extra water pressure. The drum filters come with a standard tank connector to install a optional AquaForte submersible UV-C lamp. This UV-C can be fitted directly with this tank connector and puts the lamp very short towards the drum to reduce the growth of bacteria on the drum and it will disinfect the water flowing through the drum filter without pressure loss.

The drum filters come without controller, this has to be ordered separately. Now available: 2 new controller units. A standard version with a 230V outlet for a backwash pump or solenoid valve and a expanded version with an extra 230V outlet for a (submersible)UV-C unit and a cover switch. The cover switch will de-activate both the drum motor as well as the UV-C unit when the cover is lifted for maximum security.

Mounting height: only 15 cm above water level!

BENEFITS:

- Drum interior access through collection chamber.
- Low pressure spray nozzles.
- Very compact size.
- Extreme low mounting height, perfect for gravity setup.
- 100% Made in Germany.
- Stainless Steel 316 housing and lid.
- 24V motor.
- Drum has 60 micron stainless steel filter gauze.
- PE cover over spray nozzles prevents water "splashing".
- Suited for large pump flow.
- Suited for pump fed and gravity fed (standard) setup.
- Comes with (optional) submersible UV-C connection.

NEW: the drum filters are now also available as an "insert" filter. You can assemble them in any house/unit (like an existing filter).

TYPE	ARTNR.	EURO	SIZE L x W x H	MAX. FLOW	INLET	OUTLET
ATF-350	SK800	3656,00	60 x 50 x 55 cm	45m³/h	3 x 110mm	2 x 110mm
ATF-500	SK806	5403,00	95 x 70 x 75 cm	75m³/h	4 x 110mm	3 x 110mm
ATF-350 "insert module"	SK810	2789,00	50 x 45 x 49 cm	45m³/h	-	-
ATF-500 "insert module"	SK812	3775,00	64 x 62,5 x 70 cm	75m³/h	-	-
Controller "Standard"	SK821	552,00				
Controller "Deluxe"	SK822	610,00				
Controller VDE	SK820	1290,00				



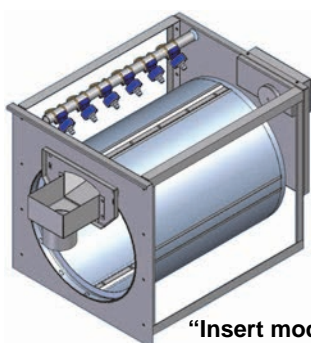
Controller "VDE"



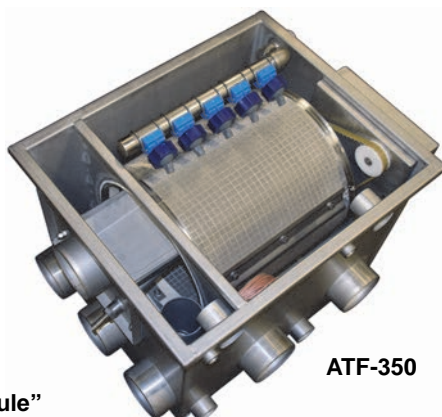
Controller "Deluxe"
with an extra UV connection
and a cover safety switch



Controller "Standard"



"Insert module"

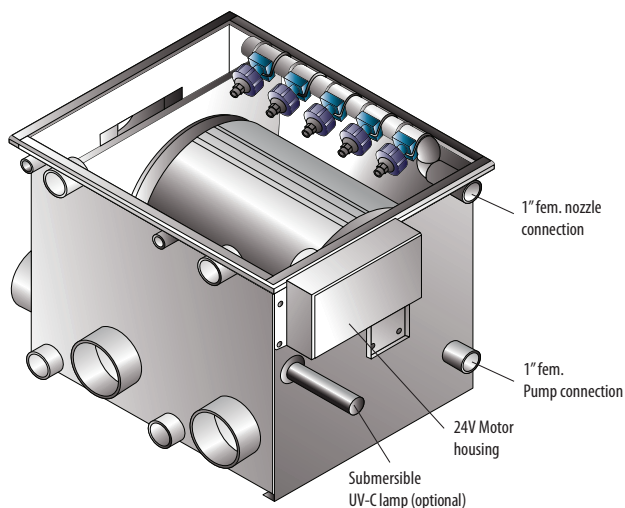


ATF-350

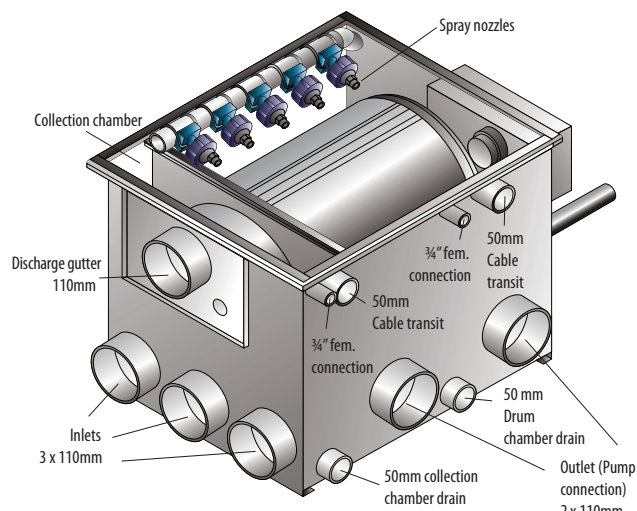


ATF-500

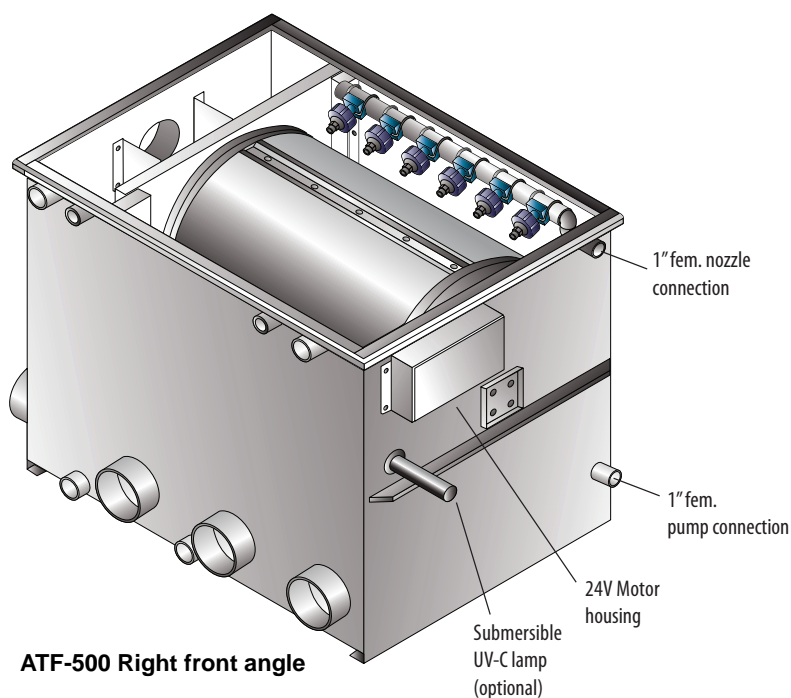
AQUAFORTE PROFESSIONAL DRUM FILTERS



ATF-350 Right front angle

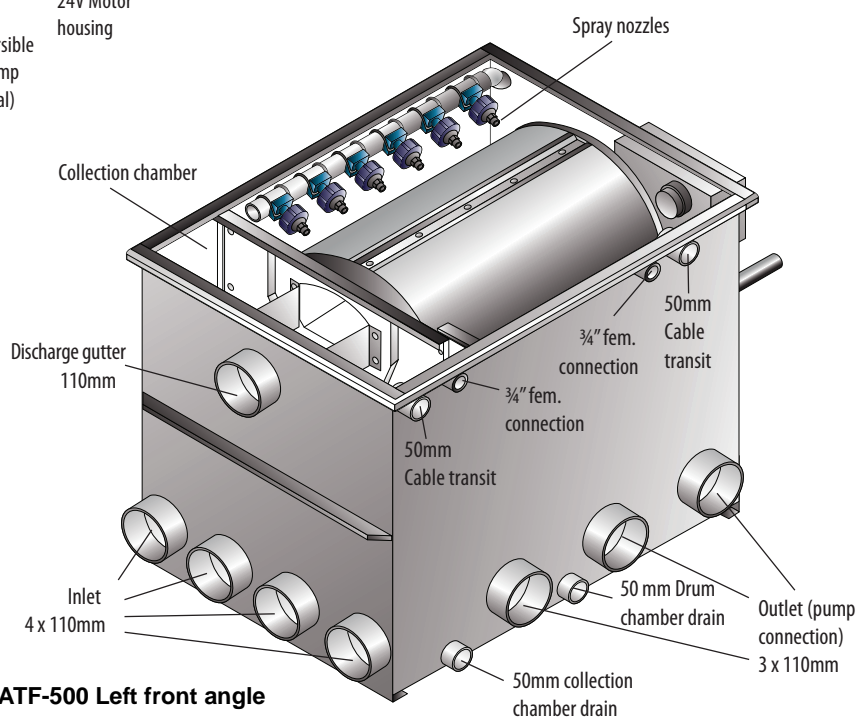
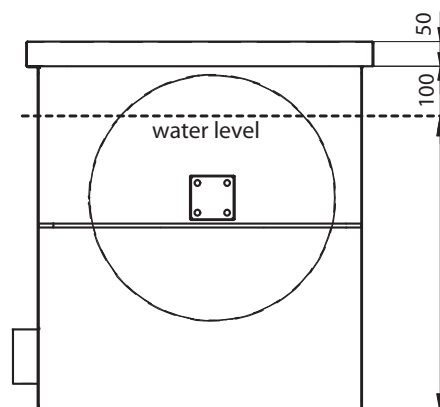


ATF-350 Left front angle



ATF-500 Right front angle

Mounting height: 150mm above water level



ATF-500 Left front angle

POLYGEYSER BEADFILTER

code 828

The PolyGeyser beadfilter is **automatically self-cleaning** without moving parts or electronics, contains EN (Enhanced Nitrification) media that offers **50% to 100% greater nitrification** than standard beads, and is capable of providing mechanical filtration down to 5 micron particle size! The PolyGeyser filter can be installed underneath or above water level. Any low amp water pump (like AquaForte, Performance, Blue Eco, etc.) can be used as a circulation pump. The PolyGeyser has the lowest possible pressure loss because it uses no multiport-valve. In and outlets are 3" (±75mm) on the DF-3 and 4 inch (±100mm) on the DF-6.

Maximum pump speed is 15m³/h (DF-3) or 25m³/h (DF-6) with a maximum head pressure of 0,7 bar (7 metres). The filter comes with a flow meter for the air pump, a check valve to be installed in between the pump and the filter and rubber couplings.

- Fully automated cleaning without moving parts or electronics!
- Special beads that offer 50% to 100% greater nitrification
- Mechanical filtration up to 5 micron!
- For installation underneath and above water level
- Can be used with low wattage pumps for high efficiency
- Very little water loss with each waste water dump

TYPE	ART. NR.	EURO	SIZE HEIGHT x Ø	WEIGHT	MEDIA (BEADS)	MAX. POND	MAX. FOOD PER DAY
DF-3	SK710	2573,00	120 x 84,5 cm	80 kilo	85 litre	± 25 m³	± 2,5 kg
DF-6	SK730	3415,00	137 x 104 cm	150 kilo	255 litre	± 55 m³	± 5 kg
11kg Polygeyser Beads in a bag	SK716	14,35	-	11 kilo (bag)	± 25 litre	-	-



For more information: www.polygeyser.com

X-CLEAR FLOW-MATIC AUTOMATIC BACKWASH SYSTEM FOR BEADFILTERS

code 827

The X-Clear Flow Matic is an automatic backwash-system, that matches any Bead filter with side mount connections. It replaces the traditional 6-way-valves and takes care of less pressure loss thanks to the unique flow design. The Flow-Matic uses 4 automatic 3-way-valves and a touch-screen controller. The controller starts and stops the circulating pump and the blower automatically and switches the automatic valves in the correct position for backwash, rinse and filtration. The user can decide how often the Flow-Matic carries out a backwash procedure. In addition to the automatic backwash function, the user can perform an extra (manual) backwash by using the function in the touch-screen controller. The duration of backwash and rinse is determined by the user. The controller can be equipped with a special wire to control Blue Eco pumps. This way, the user can control the RPM of the Blue Eco pump for Filtration and Backwash! This will give you the highest pump efficiency by using a low pump speed during filtration and a higher pump speed for backwashing. Ø63mm connections.

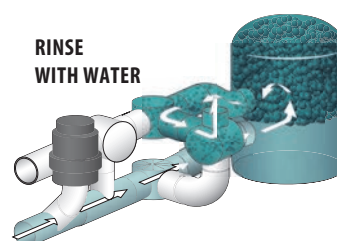
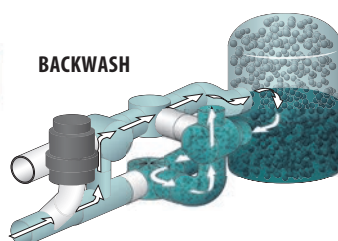
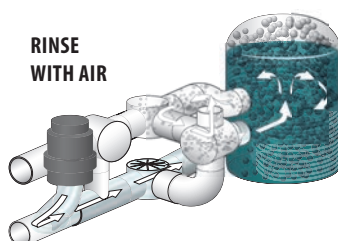
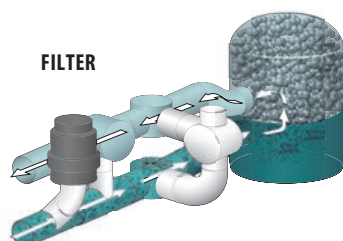
xclear
UV-C & FILTERS

- Replaces the traditional 6-way-valve
- Fits any bead filter with side mount connections
- Reduces the pressure loss significantly
- Duration of rinse and backwash can be adjusted
- Easy to install and maintain
- Controlled by LCD Touch-Screen
- On/Off-function for the circulating pump
- Special Blue Eco control function

TYPE	ARTNR.	EURO
Flow-Matic Beadfilter with Ø63mm connections	SK492	1145,00
Connection kit (2 pcs.) for UltraBead filters	SK494	34,95
Union 1½" x 63mm (1 piece) for EB40/50/60	AB157	6,75
Union 63mm (1 piece) for EB100/140	AA256	9,70

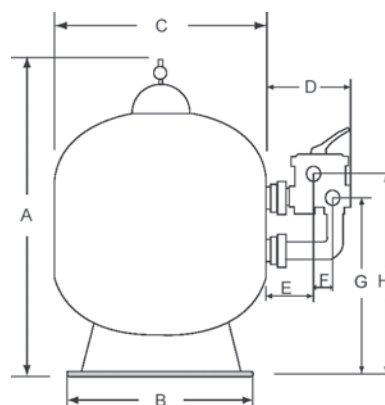
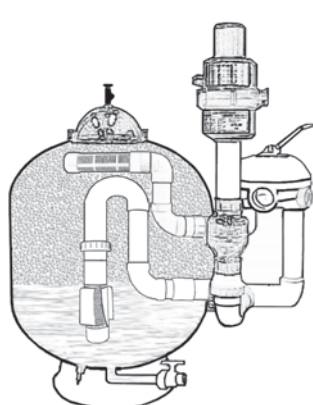


NEW!



AQUAFORTE ULTRABEAD® BEADFILTERS

code 827



**AQUA
FORTE**

DIMENSIONS (mm)				
	UB40	UB60	UB100	UB140
A	825	955	1095	1200
B	400	400	610	610
C	480	610	762	914
D	242	242	292	292
E	110	110	150	150
F	70	70	70	70
G	463	530	590	657
H	524	592	671	738
Blower height = H + 550mm				

A proven name in filtration for over 14 years! More than 8000 satisfied users!

Beadfilters are closed (pressure) vessels filled with millions of small plastic beads. These beads float and therefore provide a means of **mechanical filtration** and the enormous surface of these beads provides the **biological filtration**.

Mechanical filtration: the beads float in a closed vessel and are packed very close to each other. The pressure of the pump makes the water flow upward through the beads. The small dirt particles will stick to the bead pack. The longer the filter is active, the more bio film there will be around the beads and therefore small particles can be filtered.

Biological filtration: the specific surface of the beads is about 1600m² per m³ (6 times more than a blue Japanese Mat), so the bio film layer around the beads is extremely useful for nitrifying bacteria that consume vast amounts of ammonia, nitrites and nitrates.

The fish load in the table is based on 1% feed per day. Recommended pump capacity: in a water column of 2 - 3 m (0,2 -0,3 bar) the pump should be able to circulate 50% of the actual water volume per hour (see specifications of the various pumps).

Ponds larger than 40 m³ should have a pump with an actual capacity of 25% to 33% of the water volume per hour.

FOR MORE INFORMATION: www.ultrabead.com.

TYPE	ARTNR.	EURO	SIZE HEIGHT x Ø	VOLUME FILTER	MEDIA (BEADS)	MAX. POND SIZE	MAX. FISH LOAD
UB 40	SK400	1254,00	83 x 48 cm	82 ltr	50 ltr	12 m ³	35 kg
UB 60	SK402	1444,00	100 x 61 cm	160 ltr	120 ltr	40 m ³	100 kg
UB 100	SK404	1940,00	110 x 76 cm	283 ltr	170 ltr	60 m ³	135 kg
UB 140	SK406	2590,00	120 x 92 cm	455 ltr	255 ltr	100 m ³	200 kg



AQUAFORTE ULTRATRONIC II AUTOMATIC BACKWASH VALVE FOR ULTRABEAD FILTERS

code 827

Ensures a complete automatic backwash process for UltraBead filters! Also suitable for most UltraBead types. Installation only takes a few minutes. Controls blower and circulation pump automatically. Equipped with a manual override for manual control. In addition, one push of the button starts an extra cycle immediately. The UltraTronic has potential free connections for the pump and blower (max. 8 A).

TYPE	ARTNR.	EURO
Ultratronic II	SK408	1215,00



**AQUA
FORTE**

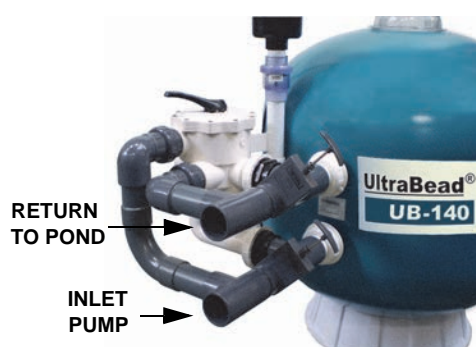
AQUAFORTE BYPASS FOR ULTRABEAD FILTERS

code 827

AquaForte have introduced a bypass for Europe's best selling beadfilter! Installing the bypass allows the use of more economical pumps. Due to a very compact bypass-system, the multi-way valve is completely unused during filtering as the water flows directly into the filter and also leaves the filter in a direct line. This action results in at least 30% less pressure loss (depending on the type of pump). The bypass system is very easy to install on all UltraBead models, using the unions supplied. Connection: 63mm.

TYPE	ARTNR.	EURO
Bypass UltraBead	SK490	178,00

ENERGY SAVING!



**AQUA
FORTE**

AQUAFORTE ECONOBEAD BEADFILTERS

code 827

The **economical answer to imitation filters**, made by **Beadfilter experts!**

The EconoBead Beadfilters have a strong quality PE vessel and come equipped with:
a **bottom drain** to remove the sludge from the bottom, 6-way valve, transparent lid, beads,
and a **very reliable blower!** (also equipped with a silencer).



The EconoBead series is available in 5 sizes for ponds from ±10.000 to ±100.000 litre. Supplied with a large lid for easy access.

TYPE	ARTNR.	EURO	SIZE Ø X HEIGHT	PUMP CAP.	MAX. POND SIZE	MAX. FISH LOAD	6-WAY VALVE
EB-40	SK520	638,00	40 x 68cm	± 15m³/h	10 m³	35 kilo	1½"
EB-50	SK522	745,00	50 x 75cm	± 15m³/h	20 m³	50 kilo	1½"
EB-60	SK524	852,00	60 x 85cm	± 15m³/h	35 m³	80 kilo	1½"
EB-100	SK526	1142,00	75 x 113cm	± 25m³/h	60 m³	135 kilo	2"
EB-140	SK527	1495,00	90 x 126cm	± 25m³/h	100 m³	200 kilo	2"
Transparent lid	SK549	23,80	-	-	-	-	-



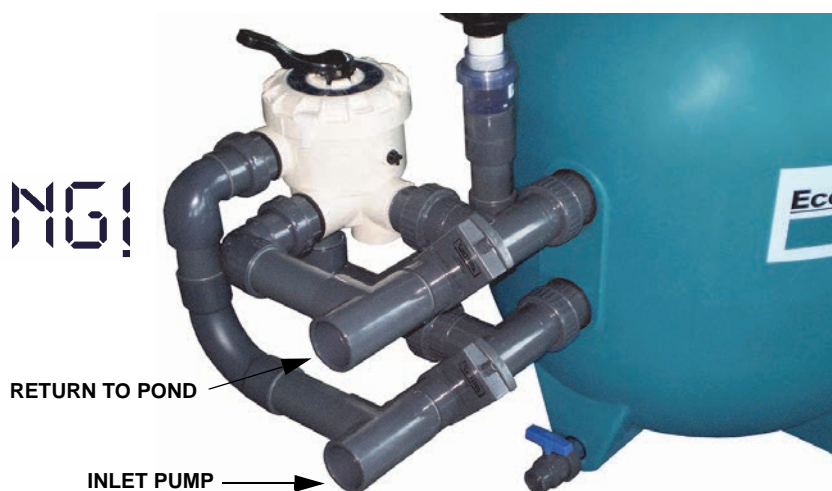
AQUAFORTE BYPASS FOR ECONOBEAD FILTERS

code 827

Installing this bypass allows the use of more economical pumps. Due to a very compact bypass-system, the multi-way valve is completely unused during filtering as the water flows directly into the filter and also leaves the filter in a direct line. This action results in at least 30% less pressure loss (depending on the type of pump). The bypass system is very easy to install on all EconoBead models, using the unions supplied.

TYPE	ARTNR.	EURO	SIZE
Bypass EB-40/50/60	SK529	80,35	Ø50mm
Bypass EB-100/140	SK518	95,50	Ø63mm

ENERGY SAVING!



AQUAFORTE COMPLETE ECONOBEAD FILTERSYSTEMS

code 827

Unique on the European pond market: complete "PLUG & PLAY" filter installation installed on a polymer pallet.
The perfect solution for installers and DIYers! Install a complete filter system in 15 minutes!

De sets are consisting of:

- EconoBead Beadfilter with by-pass,
- MidiSieve (standard or extra high),
- 40 or 75 watt Power UV T5,
- AquaForte DM-13000, DM-15000 pump or (new!) Blue-Eco 320

It only needs 3 connections to the pond system: inlet from bottomdrain/skimmer (110mm), return to pond (63mm) and waste outlet (50mm). Pallet size: 100 x 120 cm.

The sets are fully mounted with all fittings, pipework, checkvalve and includes the polymer pallet!

TYPE	ARTNR.	EURO	TYPE FILTER	TYPE PRE-FILTER	PUMP	UV-C UNIT	MAX. POND
Complete EB-50 filtersystem	SK500	2223,00	EB-50	MidiSieve	DM-13000	40 watt Power UV T5	±20m³
Complete EB-60 filtersystem	SK502	2499,00	EB-60	MidiSieve Extra High	DM-15000	75 watt Power UV T5	±36m³
Complete EB-60 filtersystem	SK504	3095,00	EB-60	MidiSieve Extra High	Blue-Eco 320	75 watt Power UV T5	±36m³

INSTALL A COMPLETE FILTERSYSTEM IN 15 MINUTES!



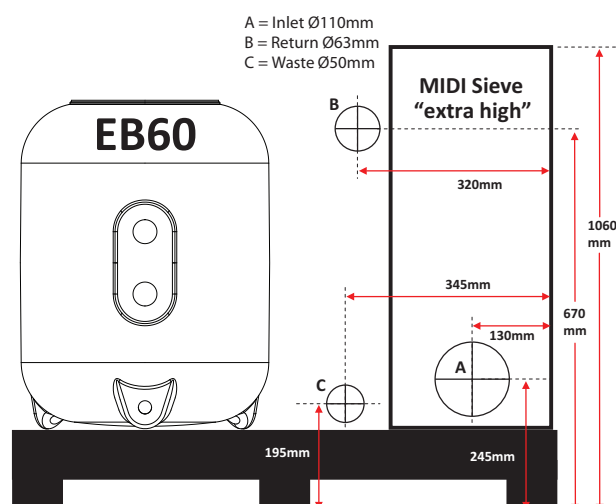
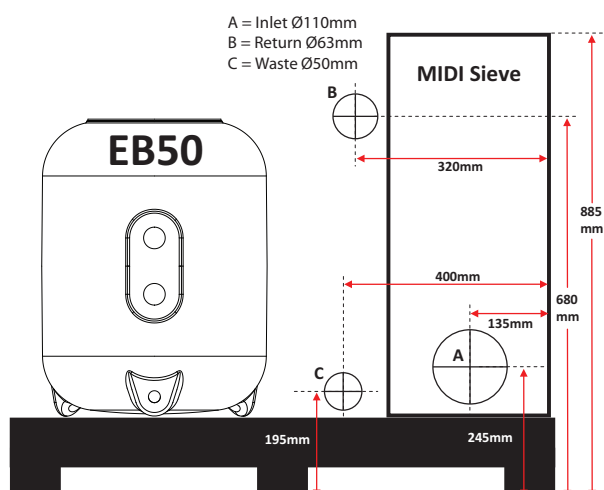
**EB-50 system with
DM-13000**



**EB-60 system with
DM-15000**



**EB-60 system with
Blue Eco 320**



AQUAFORTE ULTRAFLEECE PROFESSIONAL BELTFILTER

code 828

The first affordable professional beltfilter. A new standard in filtration! A very professional filter, for the best mechanical filtration, with virtually no maintenance! The UltraFleece filters use an industrial quality filter membrane on a roll. This makes it possible to remove waste parts up to 20 micron!

Process:

The water enters the filter through a pump fed construction. The water will run through the membrane (1) where waste parts, parasites, eggs, algae, plant remains, fish waste, etc. will be collected. On the membrane arises a so called "filter cake" (accumulation of waste) which helps to improve the filtration again. During the increase of this filter cake less water can run through which increases the water level in the filter. The large hydrostatic pressure which pushes the water through the already polluted membrane ensure that the UltraFleece can sieve waste parts up to 20 micron. When the maximum water level has been reached, the level switch (7) will activate the conveyor-belt (5) underneath the membrane and the polluted membrane will be moved to the designated collection area (6). A slightly increasing 30° angle

guarantees the waste to remain on the membrane and not to be flushed away by the water. A new part of membrane is transported from the roll which enables it to let the optimal filtered water through. As the water falls through the membrane into the pump/bio-chamber it will also be enriched with oxygen. The water enters a lower bio chamber/pump chamber from where the water can go back to the pond or to the next biological filter. Because of the falling water bio rings in the bio chamber can be moved without the use of an extra air pump. Because of the thorough cleaning of the membrane the bio chamber does not require cleaning maintenance. The UltraFleece reduces the maintenance of your pond enormously and gives you an optimal water quality! As a result of this you can make great savings on the use of medication, water treatment supplements, large water changes and electricity! The usage of membrane rolls is highly dependant on factors like pond size, fish load, daily amount of food etc. An average usage for Koi ponds of 40.000 liter with 20 large Koi which get high protein food is between 8 and 15 rolls a year.



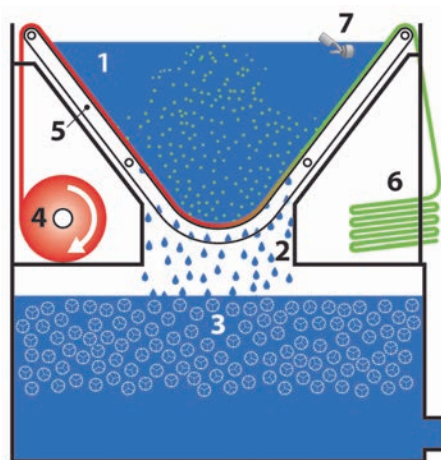
Benefits:

- Obvious improvement of the water quality.
- **No cleaning maintenance**, therefore no loss of bio-activity.
- Decreases the load on the biological filter.
- It is possible to use the membrane filter as a pre-filter in existing filter-systems.
- Manufactured from Polypropylene. Compact dimensions.
- **Silent 24 volt motor which will only cost a few EURO on electricity per year!**
- The only maintenance is the replacement of the membrane roll.



OPTIONS: The PE bio-filterbox fits exactly underneath an UltraFleece, when placed in a 600 litre fish tank (SB930). The BioBox is equipped with three screens on which you can place (porous) biomedia, therefore producing a partial "trickle-filter" effect from the section that is above the water surface plus a submerged filter.

TYPE	ART NR.	EURO	SIZE L x W x H	PUMP CAP.
UltraFleece 600 PG	SK860	2567,00	120 x 70 x 63 cm	28m³/h
60 Gr. Fleece roll for 600 PG 70m	SK862	36,25	60 cm wide	-
BioBox for 600 PG	SK858	129,00	70,5 x 42,5 x 58 cm	-

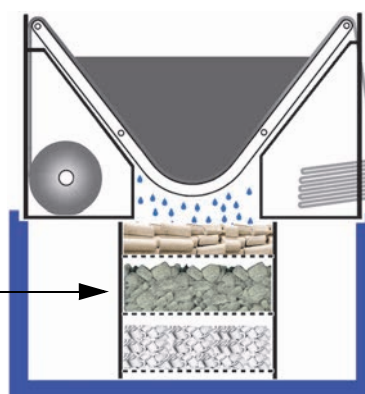


ENERGY SAVING!

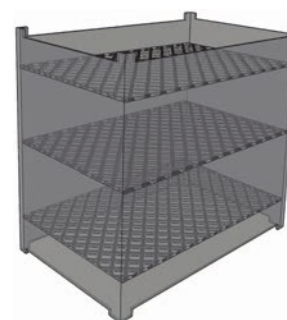


1. Unfiltered pond water
2. Filtered water trickles down
3. Bio-chamber / pump-chamber
4. Filter-membrane roll
5. Conveyor-belt
6. Area for polluted membrane
7. Level indicator

Bio-box with 3 filter-grids for easy placing the filter-media under the UltraFleece



Bio-Box for UltraFleece!



AQUAFORTE BIOFLEECE BIOLOGICAL FLEECEFILTER

code 828

The AquaForte BioFleece filter offers the **perfect combination of a mechanical and biological filter in one unit!**

The filterfleece takes care of the mechanical filtration, and the "Bio-Drum" with filter media takes care of the biological filtration.

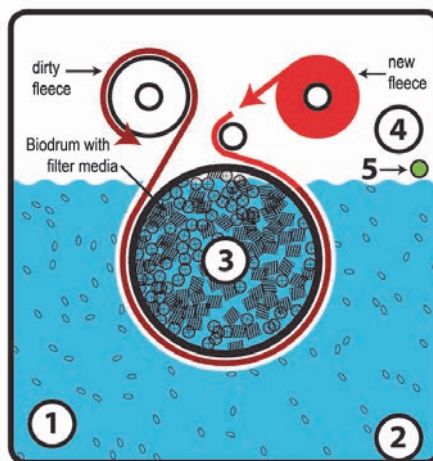


The BioFleece has a very sturdy LDPE housing. The power supply uses a step down transformer to power the 24V motor. Annual running costs are minimal.

FUNCTION:

The water is pumped into the filter (1) and passes through the fleece membrane to gravity exit the filter through the "bio-drum" (3). The fleece membrane is capable of capturing solids up to approximately 40 micron therefore preventing the biological filter area from "bio fouling". Nitrifying bacteria will establish on the filter media inside the "bio-drum" to break down any harmful ammonia and nitrite. The biological area is virtually maintenance free as only pre-filtered water will enter. The waste outlet in the bottom corner of the filter (2) can be used to purge out the sediment of heavier waste particles..

When the fleece membrane slowly saturates with waste the water level inside the filter house will rise until it reaches the top sensor (5). When this sensor is in contact with water for 60 seconds it will trigger the motor to run. The motor will slowly turn the bio-drum for 3 seconds to provide new (clean) fleece membrane for the water to flow through. This action causes the water level inside the filter to go down. After this action, the control unit has a delay time of 20 seconds in which it will not respond to the level sensor. If the sensor remains active because of an error (i.e. a blocked water return pipe), the control unit will trigger the motor function again up to 3 times. If the error has not corrected all LED indicators will flash in order to indicate the error. This safety function is especially designed to prevent unnecessary use of fleece membrane roll. When you press the red button you will manually cancel the error and the delay time. In the event that the motor does not operate correctly or the fleece membrane is not transported the right way, the water will always safely return to the pond through the safety outlet (4).



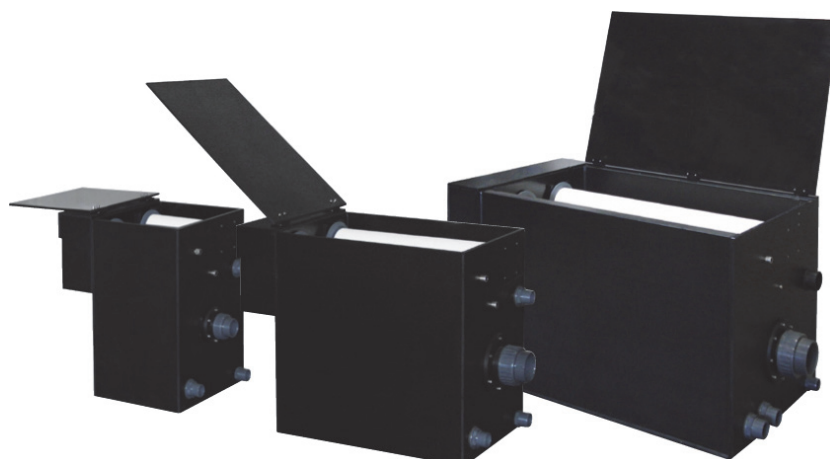
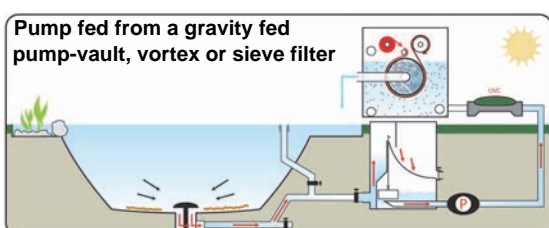
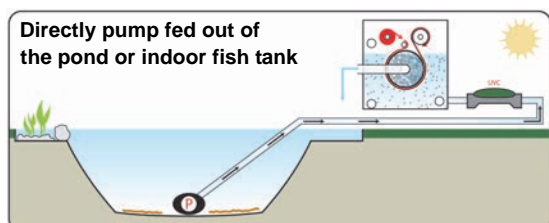
The BioFleece series have a **micro-processor controlled control unit** that can be connected to a PC by means of a special cable. With designated software it is possible to read out the active status of the filter and how often the motor has been activated. The transmittance of trigger times and updates are also possible with this cable



TYPE	ART NR.	EURO	SIZE L x W x H	PUMP CAP.	BIO MEDIA	MAX. FOOD PER DAY	INLET	OUTLET	WASTE OUTLET
BioFleece 300	SK880	1633,00	55 x 50 x 70 cm	max. 8 m³/h	±30 litre	±200 gms	50mm	63mm	40/50mm
BioFleece 600	SK882	2901,00	85 x 50 x 70 cm	max. 20 m³/h	±60 litre	±500 gms	50mm	90mm	40/50mm
BioFleece 1000	SK884	3997,00	120 x 75 x 70 cm	max. 30 m³/h	±100 litre	±800 gms	2 x 63mm	110mm	40/50mm
14 gms Fleece roll for 300	SK877	13,15	150mtr x 30cm						
14 gms Fleece roll for 600	SK878	21,35	150mtr x 60cm						
14 gms Fleece roll for 1000	SK879	41,55	150mtr x 100cm						
20 gms Fleece roll for 300	SK886	10,85	100mtr x 30cm						
20 gms Fleece roll for 600	SK887	21,65	100mtr x 60cm						
20 gms Fleece roll for 1000	SK888	36,10	100mtr x 100cm						

ENERGY SAVING!

Installation examples



AQUAFORTE GRAVITY TRICKLE FILTER

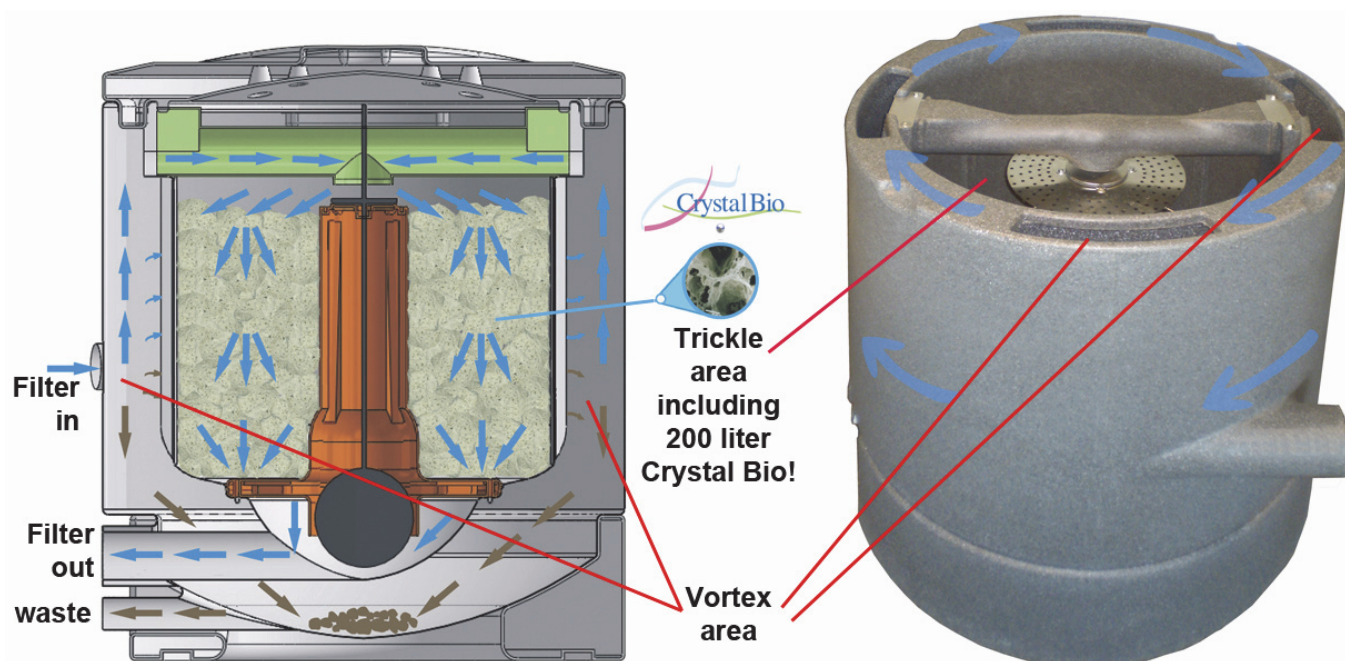
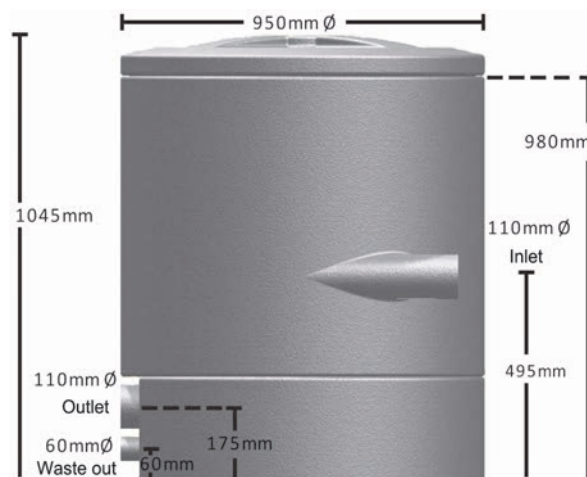
code 828

The Concept Gravity Shower™ is of a truly unique design, and by using the latest British manufacturing techniques to produce each Concept Gravity Shower™ every Koi Keeper can now benefit from this advanced new concept. The unique Gravity Shower Flow Valve™ system allows for the Concept Gravity Shower™ to be installed gravity fed, unlike all other showers on the market that are pump fed only. This allows the Koi Keepers for the first time, the ability to install a shower filter out of sight as if it were a regular gravity fed, filter, truly an incredible Concept. A larger vortex allowing for mechanical settlement of solid waste, with a hassle free, less than 30 second cleaning process, allows the koi keeper more time to enjoy their pond and Koi and less time worrying about filter maintenance. With 200 Litres of Crystal Bio glass shower media included with the Concept Gravity Shower™ there really is no competition in biological performance.

**AQUA
FORTE**

Suitable as main filtration on all koi ponds. Very suited for quarantine systems, selling tanks and breeding systems. Maximum pond size as main filter: 30,000 litres. Maximum flow rate: 20,000 litres. Recommended flow rate: 11-14m³/h. This system includes 200 litres Crystal Bio, lid & all fittings.* Ask for availability.

TYPE	ARTNR.	EURO
* Gravity trickle filter	SK900	1398,00



AQUAFORTE SHOWER FILTER WITH CRYSTAL BIO MEDIA

code 807

The Shower Filter including 100 litres of Crystal Bio media is suitable as the main filtration for Koi and Garden Ponds and quarantine tanks. The Shower Filter is also an ideal add on filter to existing filtration systems on Koi and Garden Ponds.

Crystal Bio is a unique, eco-friendly filter-media, heated in excess of 900°C, creating a hyper-connecting glass cell structure. This produces media with a surface-area at least 10 times greater than most plastic alternatives. Furthermore, the weight is extremely low in comparison to other porous filter media: 100 litres of Crystal Bio weights 15 kg! The Shower Filter is also available with built-in 300 micron stainless steel sieve above the filter-media. This version of the Shower Filter comes with 50 litre Crystal Bio media.

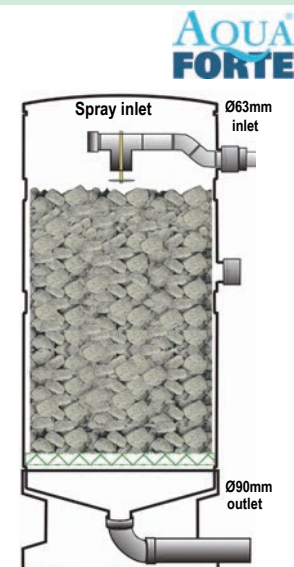
The PE housing is also equipped with a 90mm waste outlet for the sieve.

Specifications: height: 123 cm, diameter: Ø45 cm, colour: granite stone.

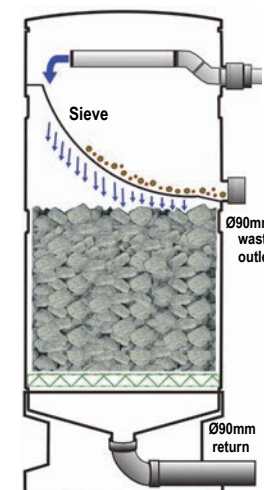
Inlet: 63mm. Outlet: 90mm, incl. flexible bend.

MAIN BENEFITS OF THE SHOWER FILTER ARE:

1. Crystal Bio media has an Inter-connecting porous cell structure allowing for a massive biological surface area.
2. Very low maintenance.
3. **Increased oxygen supply by way of a unique spray inlet.**
4. Crystal Bio helps prevent pH drop.
5. Helps reduce Nitrates.
6. **Minimal heat loss** due to thermal retention design.
7. Small footprint allows for a space saving installation.
8. Rubber boot connectors for easy installation.



Shower Filter with 100 litre media



Shower Filter with sieve and 50 litres Crystal Bio media



TYPE	ARTNR.	EURO
Shower filter with 100 litres Crystal Bio media	SB973	632,00
Shower filter with 300 microns sieve and 50 litres Crystal Bio media	SB974	776,00



Pond Type	Main Filter	Extra Filter	Pond Size (ideal size for a single filter unit)	Max Filter Flow rate	Daily Feed Guide (gms)
Koi	Yes	-	13,500 Litres	9m³/h	300-400 gms High Quality Food
Koi	-	Yes	Unlimited pond size will suit all ponds as an add on filter	9m³/h	300-400 gms High Quality Food
Goldfish	Yes	-	27,000 Litres	9m³/h	300-400 gms High Quality Food
Goldfish	-	Yes	Unlimited pond size will suit all ponds as an add on filter	9m³/h	300-400 gms High Quality Food

CRYSTAL BIO MEDIA

code 806

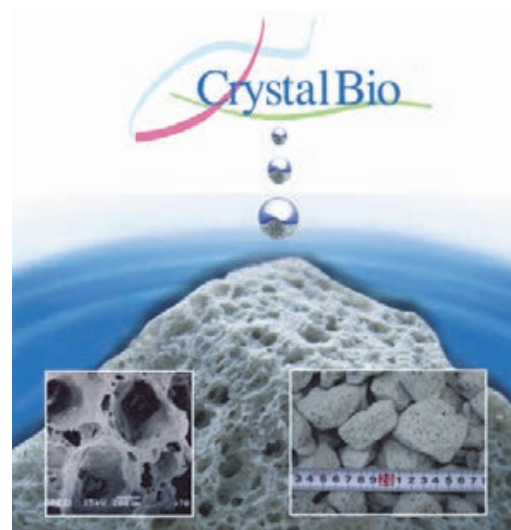
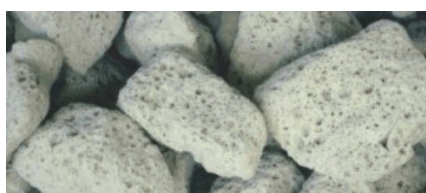
Crystal Bio is a unique, eco-friendly filter-media, heated in excess of 900°C, creating a hyper-connecting glass cell structure. This produces media with a surface-area at least 10 times greater than most plastic alternatives. Furthermore, the weight is extremely low in comparison to other porous filter media:

50 litres of Crystal Bio weights 7,5 kg! Attention! Crystal Bio floats.

ADVANTAGES:

- Crystal Bio media has an Inter-connecting porous cell structure allowing for a massive biological surface area.
- Crystal Bio helps prevent pH drop.
- Helps reduce Nitrates.
- Suitable for multi-bay filters and trickle filters.

TYPE	ARTNR.	EURO
Crystal Bio 50 litre	SB585	139,00



GREEN RESET PRESSUREFILTER WITH UV-C

code 807

New compact pressure filters with a unique, patented, cleaning system! 3 stage cleaning: mechanical, biological and UV. First the water is forced through the sponges (mechanical filtration) and then through the bioballs (biological filtration) in combination with an effective UVC sterilizer lamp to guarantee clear pond water. In the larger models (60&100), there is only biological filtration with filterfoam and not with bioballs. Cleaning: - lift the handle on the top of the cover; 2 -turn the lateral grip handles in the cleaning position and turn the flow selector handle; 3 - push the big handle down to squeeze and clean the internal sponges (PATENTED MECHANISM). **There is no need to open the filter, you can**

clean it with clean and dry hands! Max. pond size is based on small fish load. For ponds with high fish load you need to reduce the max. size with 50%. It can be placed next to the pond, above the pond water level or buried into the ground according to the need of the user.

Connections model 25/40: 1" male threaded incl. hoesetails 25/30mm. Connections model 60/100: 2" male threaded incl. hoesetails 32/38/50 mm.

Max. pressure 0,4 bar. 5 metre cable. 3 year warranty, (not on UV lamp and quartz glass).

TYPE	ARTNR.	EURO	SIZE Ø x H	CONT.	MAX. POND	MAX. FLOW	FILTER SPONGE
Green Reset 25 (10w UV)	SB953	228,00	38x48cm	25 liter	8m³	4m³/h	2 pcs
Green Reset 40 (20w UV)	SB954	273,00	38x70cm	40 liter	16m³	8m³/h	4 pcs
Green Reset 60 (2 x 20w UV)	SB960	374,00	50x58cm	60 liter	25m³	12m³/h	3 pcs
Green Reset 100 (2 x 25w UV)	SB961	450,00	50x74cm	100 liter	35m³	16m³/h	5 pcs
Replacement lamp Green Reset 25 (10W)	SB362	18,70	L=210mm				
Replacement lamp Green Reset 40 (20W)	SB363	21,55	L=358mm				
Replacement lamp Green Reset 60 (20W)	SB364	21,55	L=303mm				
Replacement lamp Green Reset 100 (25W)	SB365	23,45	L=358mm				
Quartz sleeve + o-rings Green Reset 25	SB957	18,95					
Quartz sleeve +o-rings Green Reset 40 & 100	SB958	21,50					
Quartz sleeve + o-rings Green Reset 60	SB960B	25,25					
Set of 2 filter sponges (model 25/40)	SB959	30,75					
Filter sponge for model 60/100	SB961B	26,15					



Filter: water enters the filter and is filtered mechanically through the sponges. Then the water goes via the bioballs and the UV lamp back to the pond.



Cleaning: lift the handle on top of the filter, set the valve to backwash, turn the lateral grip handles in the cleaning position.



Push the big handle down to squeeze and clean the internal sponges. The dirty water goes to the waste outlet.



Green Reset 25



Green Reset 40



Green Reset 60



Green Reset 100

GREEN RESET FILTER SET WITH EKO POWER PUMP

code 807

Complete filter set including pump for an interesting price!

TYPE	ARTNR.	EURO
Green Reset 100 + EKO Power 12	SG530	565,00



T5 Lamp



AQUAFORTE PRESSURE FILTERS WITH UV-C

code 807

Simple pressure filters with UV-C lamp. Come with filter foam and bioballs. For ponds without koi from 4m³ up to 15m³. The PF-10 has 15/20/25mm hose connectors, all other models: 20/25/32/40mm.

TYPE	ARTNR.	EURO	Ø x H	CONTENT	MAX. POND	MAX. FLOW
PF-10 with PL 7 watt UV-C	SG508	92,40	28 x3 8cm	10 liter	4m³	2m³/h
PF-20 with PL 9 watt UV-C	SG509	149,00	37 x 52cm	20 liter	10m³	5m³/h
PF-30 with PL 11 watt UV-C	SG510	158,00	37 x 60cm	30 liter	13m³	6m³/h
PF-40 with PL 24 watt UV-C	SG511	182,00	41 x 60cm	40 liter	15m³	8m³/h



PL Lamp

AQUAFORTE PRESSUREFILTERS WITH UV-C & BACKWASH FUNCTION

code 807

Simple pressure filters with UV-C lamp with backwash function for easy cleaning. Come with 20/25/32/40mm hose connectors. Maximum pond size is for ponds without koi.

TYPE	ARTNR.	EURO	Ø x H	MAX. POND	MAX. FLOW
BCF-12000 with PL 18 watt UV-C	SG500	191,00	41 x 47 cm	12m³	6m³/h
BCF-15000 with PL 24 watt UV-C	SG501	207,00	41 x 57 cm	15m³	8m³/h



PL Lamp

AQUAFORTE MULTIBAY WITH UVC

code 807

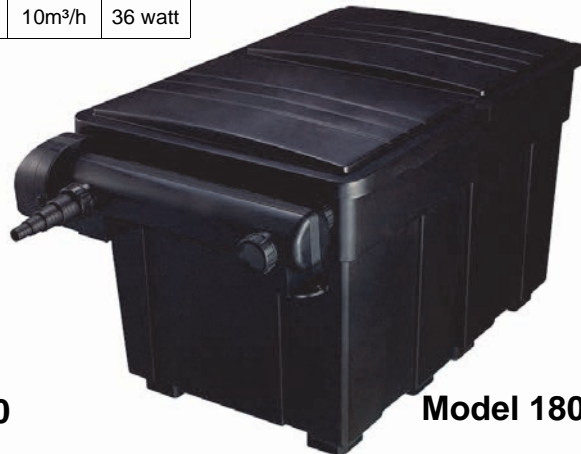
AquaForte introduce competitive priced filter with 36watt UV-C lamp (PL lamp). Filter comes with filtermaterial (biorings and filter foam) and fittings. Inlet: hoesetail 20/25/32/40. Outlet: 75mm. Max. pond size without fish load: 25m³ at the 25.000, 18m³ at the 18.000 and 12m³ at the 12.000. Max. pond size with fish load: 10m³ at the 25.000, 7,5m³ at the 18.000 and 5m³ at the 12.000.

TYPE	ART. NR.	EURO	SIZE L x W x H	MAX. POND	MAX. FLOW	UVC
Multibay Filter 12.000	SG456	158,00	56 x 38 x 44 cm	12m³	5m³/h	18 watt
Multibay Filter 18.000	SG458	274,00	65 x 46 x 46 cm	18m³	7,5m³/h	36 watt
Multibay Filter 25.000	SG460	361,00	79 x 53 x 51 cm	25m³	10m³/h	36 watt

**AQUA
FORTE**



Model 12000



Model 18000/25000

UNDERCOVER FILTERS

code 807

Suited for ponds up to 5m³ or 10m³. Multiple filterconstruction provides clear water. Water enters the filter through a Philips PL UVC lamp (9 or 11 watt), trickle filter area filters larger waste solids and adds oxygen to the water, filter matting and bio blocks provide mechanical and biological filtration, filter foam cartridge filters fine waste particles.

xclear
UV-C & FILTERS

TYPE	ART. NR.	EURO	SIZE HEIGHT x Ø	MAX. POND	MAX. FLOW
Undercover 5000 with 9 watt UV-C	SB965	99,00	35 x 45cm	5m³	2,5m³/h
Undercover 10000 with 11 watt UV-C	SB966	119,00	45 x 45cm	10m³	5m³/h

Can also be used without cover!



BIOFILTER

code 807

Consists of filter mats, pond substrate and bio-blocks. It is assembled for optimal development of a bio culture within a few weeks for efficient conversion of organic waste in nutrients for aquatic plants. Water in the pond will be clarified. This filter has been designed for continuous use. It is shipped complete with algae magnets and diffuser. Connections: the SB900 has an inlet of 20 mm and an outlet of 32mm. The SB902 and SB904 have inlets of 25mm and outlets of 32mm.

xclear
UV-C & FILTERS

TYPE	ARTNR.	EURO	SIZE HEIGHT x Ø	MAX. POND	MAX. FLOW
Biofilter 25 ltr	SB900	41,30	32 x 34cm	5m³	2,5m³/h
Biofilter 35 ltr	SB902	46,45	50 x 34cm	8m³	5m³/h
Biofilter 50 ltr	SB904	52,30	50 x 41cm	10m³	5,5m³/h



BIOSTEPS FILTER

code 807

Complete filter with Philips 11 watt UV PL unit, 3 types of Matala matting for progressive filtration from large to smaller waste particles and filter substrate. Provides mechanical as well as biological filtration. Fitted with bottomdrain with 40mm slide valve. Inlet: hoesetail 25/32/40mm, outlet: 40mm. Max. koipond: 4m³.

xclear
UV-C & FILTERS

TYPE	ART. NR.	EURO	SIZE L x W x H	MAX. POND	MAX. FLOW
Biosteps with 11 watt UV-C	SB981	227,00	55 x 36 x 45cm	10m³	5m³/h

PHILIPS
INSIDE



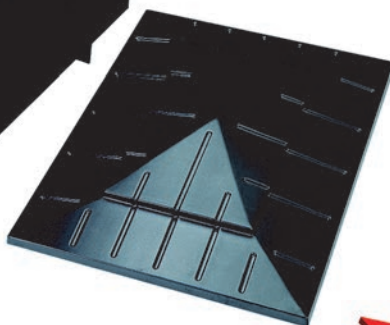
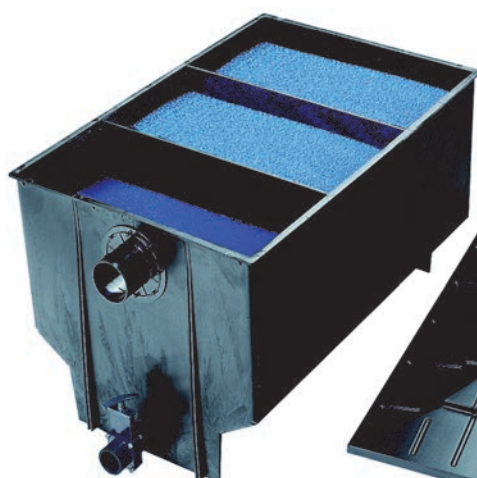
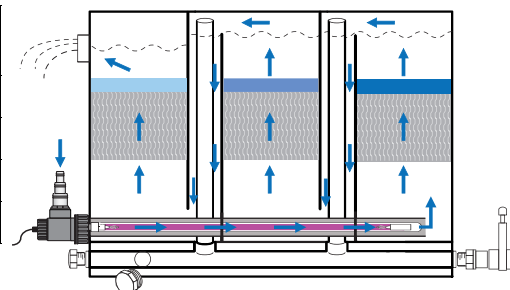
3 CHAMBER FILTERS

code 807

The 3-chamber filter is a pump fed biological- and mechanical filter that can make ponds clear and healthy. The water goes through 3 filter chambers that are filled with honey comb media and filter foam. UV-versions: the water enters the filter at a hoesetail 25/32/40mm and flows through a pipe with an internal 40 watt submersible UV-C lamp that takes care of algae and bacteria. The models without UV-C have a 32mm hoesetail inlet. Outlet: 63mm tank connector. Waste outlet: 50mm slide valve. Comes with lid.

xclear
UV-C & FILTERS

TYPE	ART. NR.	EURO	SIZE CM	MAX. POND	MAX. FLOW
3 Chamberfilter (220 liter)	SG514	258,00	96 x 42 x 60	8m³	4m³/h
3 Chamberfilter (220 liter) 40watt UV-C	SG516	359,00	96 x 42 x 60	8m³	4m³/h
3 Chamberfilter (330 liter)	SG518	359,00	96 x 67 x 68	12m³	6m³/h
3 Chamberfilter (330 liter) 40watt UV-C	SG520	460,00	96 x 67 x 68	12m³	6m³/h



IMPROVED MODEL!

NEW!

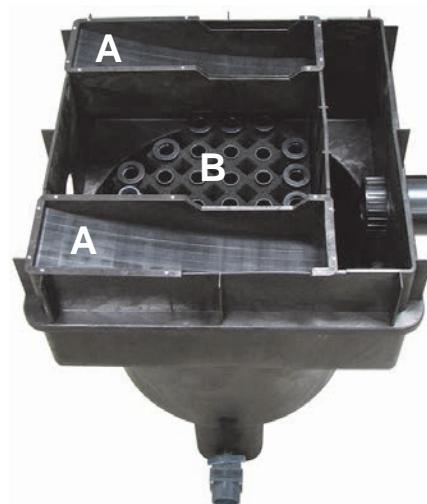
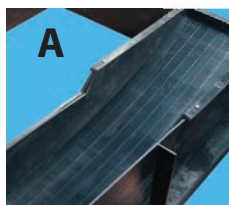
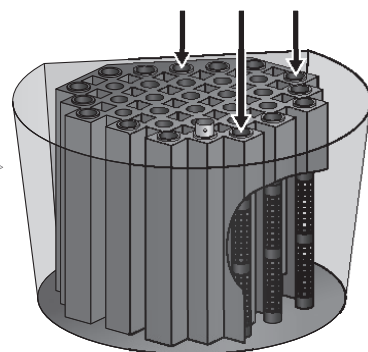
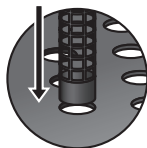
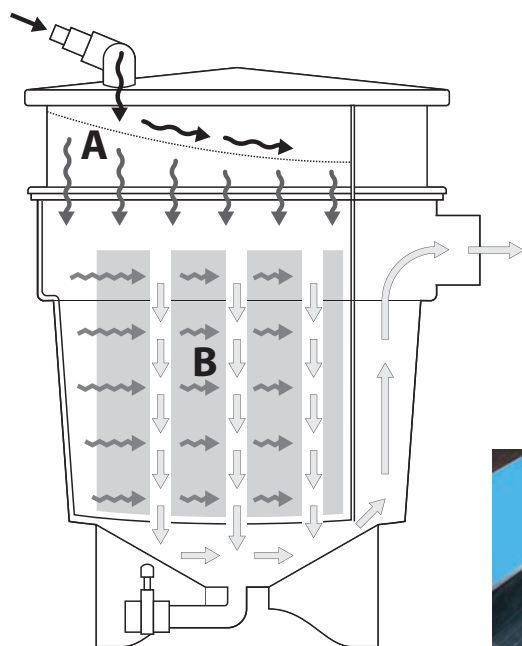


BIOSIEVE

code 807

Biological filter with 2 plastic sieve screens and a unique filter system. Suited for koi ponds. The water is led into the filter and spread out over 2 plastic screens (A). Then the water falls down and has to go through a foam filter system with filter pipes inside (B). The clean water exits the filter by gravity through the big 110mm outlet. Pump fed inlet through hose tail 25/32/40mm. 50mm waste outlet with slide valve.

TYPE	ARTNR.	EURO	SIZE L x W x H	MAX. POND	MAX. FLOW
Biosieve	SG464	479,00	66 x 66 x 95 cm	20m³	8 m³/h



xclear
UV-C & FILTERS

PROFI CLOVERLEAF FILTER

code 807

A modular filter system made of 4 modules. Each module has its own filter media for very effective water filtration. Comes with filter media and all necessary fittings!

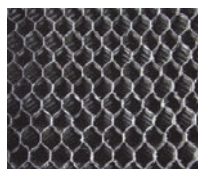
Module A. Water enters this 1st module through the Ø110mm inlet and has to go up through a pipe system and a filter net structure.

Module B. Water goes up through black (coarse) Matala matting.

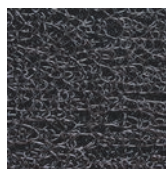
Module C. Water goes up through green (medium) Matala matting.

Module D. Water has to pass through this foam filter system with filter pipes inside. Then the water will rise and exit the filter through the Ø110mm outlet. The modules are connected with 2 x Ø90mm Union fittings. Each module has its own Ø50mm waste outlet with slide valve. This filter is suited for both gravity as pump fed use.

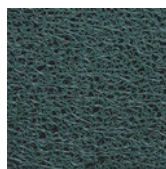
TYPE	ARTNR.	EURO	SIZE L x W x H	MAX. POND	MAX. FLOW.
Profi cloverleaf filter	SG496	1079,00	137 x 143 x 75 cm	30m³	10m³/h



A



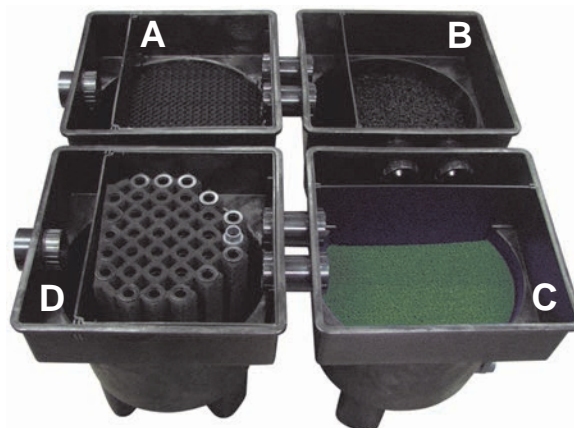
B



C



D



xclear
UV-C & FILTERS

CONNECT CLEAR COMPLETE FILTER SYSTEMS

code 807

Complete 3- or 4 chamber filter systems including filtering media, union fittings and slide valves for waste outlet. The filters come as separate modules including filter media and can be easily connected with the union fittings. The slide valves have to be glued! Inlet: Ø110mm. Per chamber 2 x Ø90 mm union fittings. Outlet: Ø110mm. Waste outlet: Ø50mm.

Connect Clear 3 chamber filter consists of:

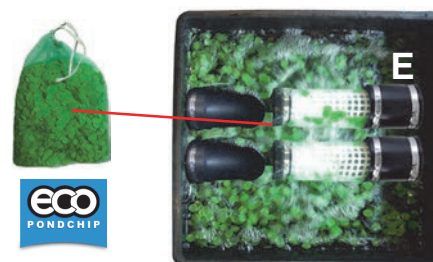
- A: a brush chamber with 24 filter brushes.
- B: a chamber with 8 green Matala filter mattings.
- C: a foam filter system with filter pipes inside.

Connect Clear 4 chamber filter consists of:

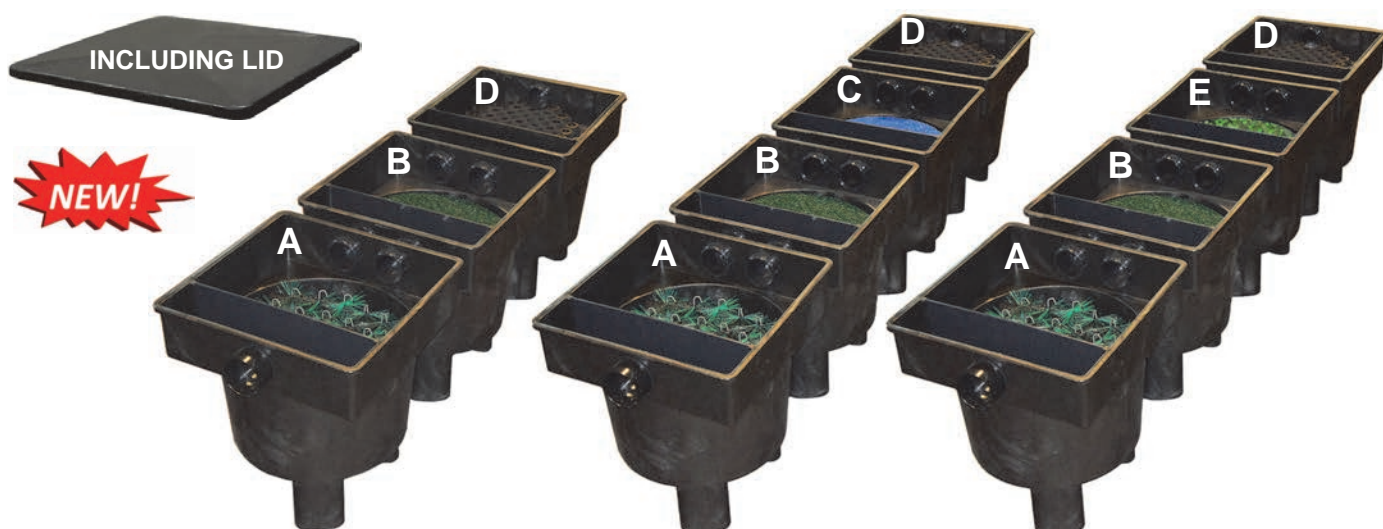
- A: a brush chamber with 24 filter brushes.
- B: a chamber with 8 green Matala filter mattings.
- C: a chamber with 8 blue Matala filter mattings.
- D: a foam filter system with filter pipes inside.

Connect Clear 4 chamber Eco Pond Chip Filter consists of:

- A: a brush chamber with 24 filter brushes.
- B: a chamber with 8 green Matala filter mattings.
- C: a moving bed chamber with 14 l. Eco Pond Chip moving bed medium.
- D: a foam filter system with filter pipes inside.



TYPE	ARTNR.	EURO	SIZE L x W x H	MAX. POND	MAX. FLOW
Connect Clear 3 chamber filter	SG474	960,00	220 x 70 x 75 cm	20m³	10m³/h
Connect Clear 4 chamber filter	SG475	1195,00	290 x 70 x 75 cm	30m³	13m³/h
Connect Clear 4 chamber Eco Pond Chip Filter	SG476	1270,00	290 x 70 x 75 cm	30m³	13m³/h



CONNECT CLEAR MOVING BED FILTER MODULE

code 807

Stand-alone, moving bed filter module to complete/expand the biological filter capacity. This module consists of a 150 l. Connect Clear module with 14 l. Eco Pond Chips, which match a filter surface of 50 m²! (for further information look at p. 6-41). In addition to that this module is equipped with a 9mm air connector and a 9mm air hose with high oxygen air cylinder to move the Eco Pond chips (air pump is not included!). Eco Pond chips are very light and need only little air to be moved. Inlet/outlet: Ø110mm. Waste outlet: Ø50mm. Size: 67 x 70 x 75 cm. Max. flow rate: 13m³/h. Comes with lid.

TYPE	ART. NR.	EURO
Connect Clear Moving Bed Filter Module	SG477	340,00



CONNECT CLEAR MODULAR FILTER SYSTEMS

code 807

The Connect Clear is a modular filter system that you can compose yourselves. The units are easy to connect with Ø90mm pipe or without glue with special connectors (optional). Every module comes with Ø90mm tank connectors and a Ø50mm waste outlet with slide valve.

The Connect Clear 150 liter and the Connect Clear Vortex come without filter media. **The Connect Clear 80 liter comes with filter grid and 4 filter brushes.**

Please note: max. pond size in the chart is per module, you can build your own filter system that suits any size of pond. Look below for Connect Clear filter media.

TYPE	ARTNR.	EURO	SIZE L x W x H	MAX. POND	MAX. FLOW
Connect Clear modular filter 80 L	SG470	139,00	49 x 62 x 75 cm	5 m³	3,5 m³/h
Connect Clear modular filter 150 L	SG472	164,00	67 x 70 x 75 cm	10 m³	8 m³/h
Connect Clear Vortex 150 L	SG480	143,00	70 x 72 x 75 cm	10 m³	8 m³/h
Union fitting 90mm	SG482	4,60	-	-	-

xclear
UV-C & FILTERS

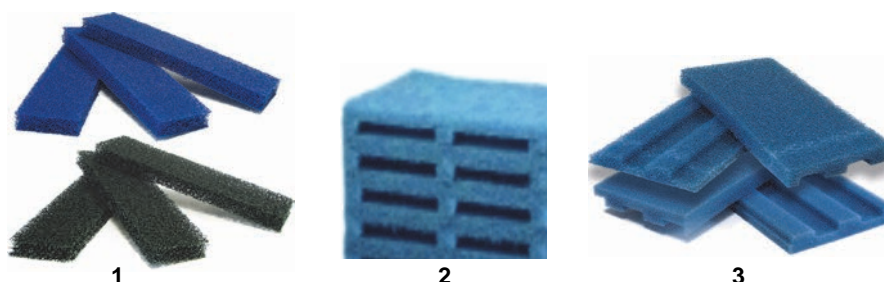


FILTER MEDIA SETS FOR CONNECT CLEAR FILTERS

code 807

The filter media sets are specially designed for Connect Clear filters. You can compose your ideal filter media.

TYPE	ARTNR.	EURO
1. Connect Clear 80L Matala-set 6 sheets (3 x green, 3 x blue)	SG485	31,65
2. Connect Clear 80L Japanese matting cartridge (pre-glued with partitions)	SG486	34,40
3. Connect Clear 80L Filter foam matting "T-profile" 4-parts (2 x coarse, 2 x fine)	SG487	23,40
4. Connect Clear 150L Matala-set coarse (8 x black)	SG488	122,00
5. Connect Clear 150L Matala-set medium (8 x green)	SG489	134,00
6. Connect Clear 150L Matala-set fine (8 x blue)	SG490	136,00



AQUAFORTE VORTEC MULTIBAY FILTERS

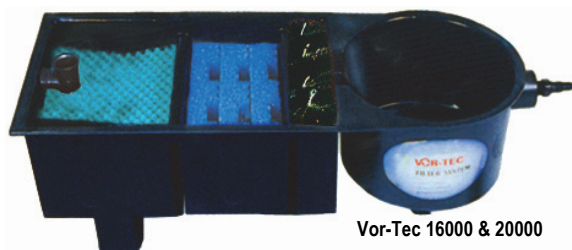
code 807

- Advanced design.
- Heavy duty construction.
- Quick to install, easy to maintain.
- Economically priced. **Comes with heavy duty lid.**
- Vortec chamber - This process removes heavy sediment.
- Chambers are filled with brushes, foam and bioballs.
- Filters come with slide valves 50mm for waste removal.
- Pump or gravity feed option.
- Inlet 1½" fem. thr./110mm. Outlet 110mm.
- Max. pond size is based on low fish stock.

TYPE	ARTNR.	EURO	SIZE L x W x H	MAX. POND	MAX. FLOW
Vortec 12000	SG400	398,00	115 x 50 x 47 cm	12m³	3,6m³/h
Vortec 16000	SG402	482,00	135 x 50 x 47 cm	16m³	4,5m³/h
Vortec 20000	SG404	745,00	155 x 65 x 62 cm	20m³	6,8m³/h
Vortec 30000	SG406	898,00	196 x 65 x 62 cm	30m³	9m³/h



Vor-Tec 12000



Vor-Tec 16000 & 20000



Vor-Tec 30000

Comes with heavy duty lid!

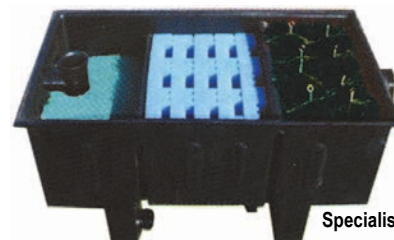
**AQUA
FORTE**

AQUAFORTE SPECIALIST MULTIBAY FILTERS

code 807

- Designed by koi enthusiasts.
- Proven filtration methods.
- Chambers are filled with brushes, foam and bioballs.
- Pump or gravity feed option.
- Filters come with slide valves 50mm for waste removal.
- Heavy duty construction.
- Quick to install, easy to maintain.
- Economically priced. **Comes with heavy duty lid.**
- Inlet 1½" fem. thr./110mm. Outlet 110mm.
- Max. pond size is based on low fish stock.

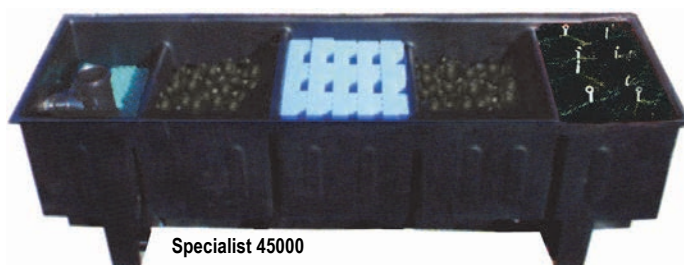
TYPE	ARTNR.	EURO	SIZE L x W x H	MAX. POND	MAX. FLOW
Specialist 23000	SG410	671,00	124 x 61 x 61 cm	23m³	6,8m³/h
Specialist 34000	SG412	909,00	158 x 61 x 61 cm	34m³	10m³/h
Specialist 45000	SG414	1149,00	206 x 61 x 61 cm	45m³	12,5m³/h



Specialist 23000



Specialist 34000



Specialist 45000

Comes with heavy duty lid!

**AQUA
FORTE**

TORNADO II FRESHWATER PROTEIN SKIMMER

code 807

New improved version of the popular Tornado protein skimmer. **No more pressure loss** on the inlet due to the absence of a venturi. Water goes straight into the filter. Air is blown into the 4mm air inlet through a supplied flowmeter to ensure a continuous flow of 0,5 l/m (30 l/h). This pressure ensures the separation of the produced foam through the foam outlet pipe.



The protein skimmer is a combination of three different filter systems. The filter operates **biological, mechanical** and **chemical**. **The principle operates as follows:** The surface of an air bubble attracts dissolved substances out of the water. Because of the adhesion of the bubbles these substances, like chemicals, wasteparticles, colourants and algae, are concentrated. By means of an air pump, air is mixed with water. By forcing this mixture through the bio rings to a lower part, there is a long contact between air and water. This changes the surface tension of the water continuously and creates a thick foam. This foam will be separated from the cleared water by a perforated cone and exits through the foam outlet.

Dissolved substances like; phosphates, ammonia, humus acids, colourants, proteins and a number of heavy metals, are filtered out of the water and separated together with the foam. The extraction of dissolved substances is not possible with normal filters and can only be done if chemicals are added.

The filter has various advantages:

- Stabilizes pH.
- Removes colourants.
- Increases dissolved oxygen.
- Not dependant on bacteria, works as soon as the pump is running.

Total height 74cm, Ø16 cm. Water inlet Ø 25 mm, water outlet Ø40 mm, foam outlet Ø25 mm. Pump capacity max. 5m³/h.

TYPE	ARTNR.	EURO
Tornado II protein skimmer	SB925	243,00
Water level control	SB925A	42,05
Air flowmeter 4mm	SB925B	22,15



STORAGE / FISHTANK 600 LITRE

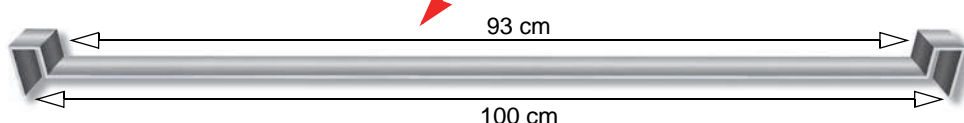
code 807

600-litre blue pallet tank for storage or quarantine. Extra 5th support in the tank centre.

The tank can be ordered with 220-litre filter (filled with honey-comb media) and 11-Watt PL UV unit. Filter comes with 16/20/25mm hose tail and 50mm slide valve. We recommend to use this bracket to prevent "bulging" of the 600 liter tank. The bracket can also support the filter.



TYPE	ARTNR.	EURO	SIZE L x W x H
600 litre tank with 1" fem. thr. drain with plug	SB930	259,00	120 x 100 x 76 cm
600 litres tank	SB931	244,00	120 x 100 x 76 cm
Separate filter 220 litres	SB934	279,00	96 x 42 x 60 cm
600 litre tank with 220 litres filter	SB932	539,00	120 x 100 x 136 cm
600 litre tank with 220 litres filter & UV unit	SB937	665,00	120 x 100 x 136 cm
Stainless steel bracket	SB935	24,75	100 x 5 x 0,3 cm



BLUE FISHBOWL

code 807

Blue fish bowl for inspection.

SIZE	ARTNR.	EURO	CONTENT	QNT.
Ø52/42 x H22 cm	SB997	10,70	±50 litres	1
Ø66/59 x H31 cm	SB998	26,40	±100 litres	12



AQUAFORTE MEASURING TAPE STICKER

code 807

Measuring tape centimeters and inches. Length is 0,95 meter (37,5 inch).
Can be used in bowl or tank.

TYPE	ARTNR.	EURO
Measuring tape	SB995	2,12



AQUAFORTE QUALITY KOIVATS

code 807

This high quality temporary pond / show vat is manufactured in Europe. The material is high grade 1mm thick PVC coated polyester which is specifically manufactured for safe use with keeping fish and the material does not contain Vinizane which is harmful to fish.



SIZE	ARTNR.	EURO	LITRES
Ø100 x 60 cm	SG210	250,00	470
Ø150 x 60 cm	SG212	372,00	1050
Ø150 x 100 cm	SG214	451,00	1600
Ø200 x 60 cm	SG216	500,00	1800
Ø200 x 100 cm	SG218	600,00	2800
Ø250 x 100 cm	SG220	828,00	4375
Ø300 x 100 cm	SG222	994,00	6300
Cover net Ø100	SG224	49,95	-
Cover net Ø150	SG225	76,55	-
Cover net Ø200	SG226	98,70	-
Cover net Ø250	SG227	134,00	-
Cover net Ø300	SG228	167,00	-



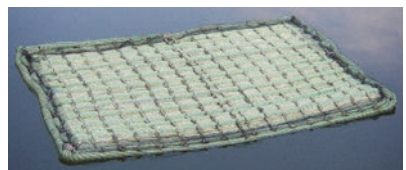
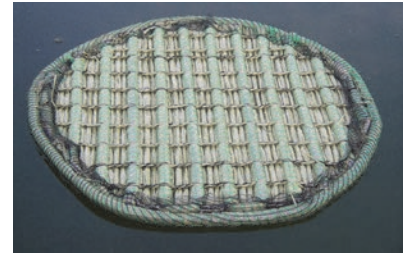
FLOATING PLANT ISLANDS / FLOATING PHYTOFILTERS

code 807

Floating Plant Islands are living, floating gardens for ponds and waterways. They are a perfect habitat for animals, plants, micro-organisms and bacteria. They will provide a very beneficial, natural, water improvement in ponds. The Floating Plant Islands use nutrients from the water and are a biotope for waterbirds, insects, fish (spawning in roots), snails and thousands of small organisms. With a minimum maintenance they are self providing. It is easy to put commercially available water plants on the islands. The roots of these plants will grow deeply into the water and consume excess dissolved nutrients. This will reduce the food source of algae. The islands will also provide shade for fish that also will inhabit the living space of the light loving algae.

Plants that are very suited for these isles are i.e.: *Myosotis sylvatica*, *Caltha palustris*, *Iris pseudoacorus*, *Lythrum salicaria*, *Filipendula ulmaria*, *Juncus ensifolius*, *Iris setosa*, *Mimulus luteus*, *Mimulus cardinalis*, *Primula florindae*, *Mentha aquatica*, *Geum rivale*, *Gratiola officinalis*, *Houttonia cordata*, *Rumex sanguineus*, *Cyperus longus*, *Carex acutiformis*, *Glyceria maxima Variegata*, *Preslia cervina*, *Sisyrinchium californicum*, *Thypha minima*, *Lysimachia thyrsiflora*, *Juncus inflexus*, *Phalaris arundinacea*.

TYPE	ARTNR.	EURO	PLANTING YOUNG PLANTS
Round Ø41cm	SG380	41,05	10 pieces
Round Ø61cm	SG381	49,50	15 pieces
Round Ø81cm	SG382	60,50	20 pieces
Half round 121cm	SG383	76,70	22 pieces
Triangle 111 x 111 x 153 cm	SG384	82,10	28 pieces
Square 121x 43cm (0,5m²)	SG385	59,40	20 pieces
Square 121x 85cm (1m²)	SG386	106,00	40 pieces



AQUAFORTE FISH GLOBE

code 827

The Fish Globe gives you the ultimate experience when it comes to enjoying your pond and your fish! As the fish rise above the normal water level you are able to witness the beautiful spectacle of aquatic life.

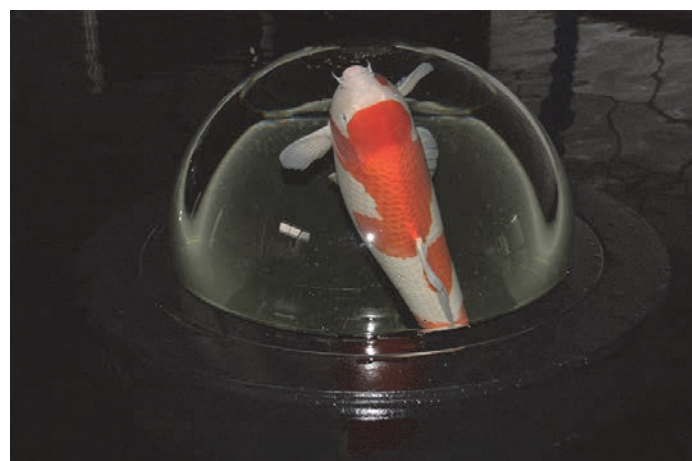
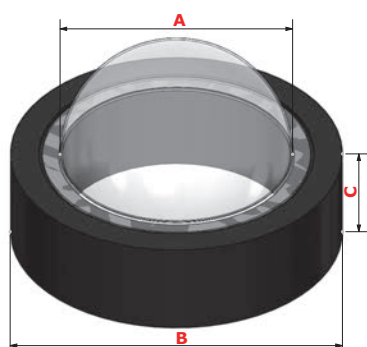
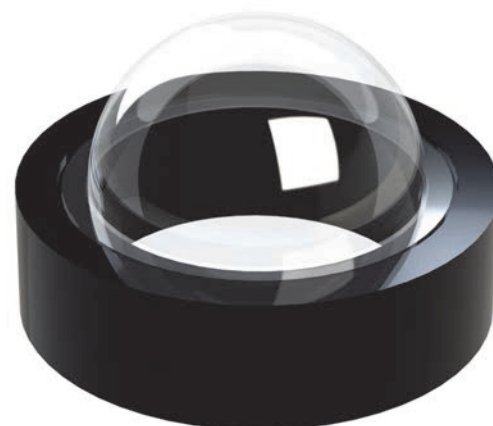
Thanks to the large diameter also bigger fish can be watched from all sides. The Fish Globe can be attached so it will not float away.

Furthermore, the Fish Globe combines "business" with pleasure; you can visual inspect your fish from all sides and check for small wounds or infections. This way you are informed quickly and can take measures to solve it to prevent further damage.

When you put some floating food pellets in a net and release them inside the globe the fish will come in and get the food. The fish will recognise the globe as a feeding spot quite fast and will show themselves regularly inside the globe.

Installation: all you have to do is to put the Globe on top of the floating ring and suck out all the air with a (pond) vacuum cleaner. When you want to remove the globe for cleaning you pump in air inside the globe and the unit will come up.

TYPE	ARTNR.	EURO	A	B	C
Fish Globe 500mm	SK654	349,00	500mm	710mm	220mm
Fish Globe 700mm	SK656	499,00	700mm	1000mm	287mm



PP Y-FILTER

code 639

Max. press. 8 bar, housing: PP with male thread. Polyester filter 120 mesh (125 micron, 0,1mm), without drain.

SIZE	ARTNR.	EURO	MAX. FLOW	MAX. PRESSURE
¾"	ND151	9,80	5 m³/h	8 bar
1"	ND152	9,80	5 m³/h	8 bar



PP Y-FILTER

code 639

Max. press. 8 bar, PP house, male thread with drain (¾" threaded cap).

Stainless Steel filter 120 mesh (=125 micron 0,1mm). Other sizes available on request.

SIZE	ART. NR.	EURO	MAX. FLOW	MAX. PRESSURE	SIZE	ART. NR.	EURO	MAX. FLOW	MAX. PRESSURE
¾"	ND140	12,25	5 m³/h	8 bar	1½"	ND143	19,60	10 m³/h	8 bar
1"	ND141	12,25	5 m³/h	8 bar	2"	ND144	35,55	20 m³/h	8 bar
1¼"	ND142	18,35	10 m³/h	8 bar					

Filter cartridge 1¼" - 1½" 155 mesh (0,1mm)	ND164	8,00
Filter cartridge 1¼" - 1½" 50 mesh (0,3mm)	ND165	9,80
Filter cartridge 2" 155 mesh (0,1mm)	ND168	28,10

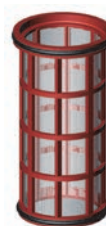


PP Y-FILTER

code 639

Max. press. 8 bar, PP house with male thread. Filter element is made of a separate Stainless Steel cylinder, on which slides a replaceable polyester stocking (stand. 120 mesh, 125 micron, 0,1mm). Housing can be dismantled with a Stainless Steel clamp. Drain with ball valve. * Ask for availability.

SIZE	ARTNR.	EURO	MAX. FLOW	MAX. PRESSURE
2"	ND154	163,00	25 m³/h	8 bar
complete filter element	ND174	62,00	-	-
polyester stocking	ND175	17,80	-	-
3"	ND156	220,00	50 m³/h	8 bar
* complete filter element	ND178	72,25	-	-
* polyester stocking	ND179	17,80	-	-



ULTRACLEAN CARTRIDGE FILTERS

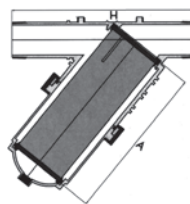
code 807

This mechanical disc filter must always be used as pressure filter behind a pump. In a pump fed system it can be used as pre-filter before the biofilter and in a gravity fed system it can be used instead of a fine sand filter after the biofilter. The clamp makes maintenance easy. The disc cartridge is easily removed and cleaned with a garden hose. It should be cleaned daily in the initial period after installation. Under normal conditions it should be cleaned once or twice a week, depending on the accumulated dirt.

Shipped with a disc cartridge of 130 micron (0,13 mm).

Maximum operating pressure 8 bar.

SIZE	ARTNR.	EURO	A	H	FILTER SURFACE	MAX. FLOW	WEIGHT
2" male thr.	SB906	137,00	446mm	400mm	1420 cm²	25m³ /h	4 kg
3" male thr.	SB907	147,00	446mm	446mm	1420 cm²	50m³ /h	4 kg



WATER PURIFIERS MPI

code 366

3-part filters met brass reinforced thread. Filter cartridges to be ordered separately.

Luise spare parts are available on demand.

TYPE	ARTNR.	EURO
2 x ¾" female thread (max. 2400 l/h) incl. wrench and wall mount support	MC500	21,75
2 x 1" female thread (max. 3400 l/h) incl. wrench and wall mount support	MC502	22,85
Wrench	MC504	7,65
Wall mount support for filter	MC506	4,90
20 micron pre-filter cartridge, max. 1800 l/h, filtration of particles	MC510	3,82
60 micron pre-filter washable nylon, max. 1800 l/h, filtration of particles	MC512	8,45
Activated carbon, max. 600 l/h, against odor and taste	MC516	9,30



CRISTAL-FLO™ WITH CLEARPRO TECHNOLOGY®

code 721

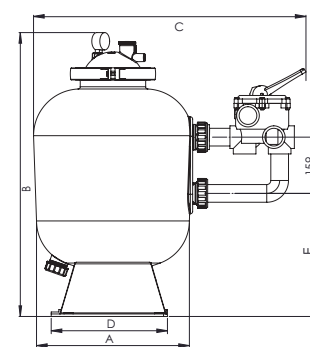
The Cristal-Flo™ series are permanent media high-rate sand filters of 15", 17", 20", 24" and 30" diameter (17", 20", 24" and 30" for side-mounted) able to accommodate large and small pools, offering the best combination of economy, performance, durability and ease of maintenance. The tank, corrosion-resistant, one-piece, extra-thick molded thermoplastic assures long service life. Top-mounted or side-mounted corrosion-resistant multiport selector valve is included. Furthermore, they are provided with a convenient large tank winterizing drain and a continuous air relief system. Sand/gravel not included.

ClearPro Technology: The N° 1 sand filter in the world is now capable of filtering pool water like never before. The innovation lies in a patented component positioned inside the filter: a porous tube, permeable enough for water to be able to cross through without pressure loss, but capable of acting as an efficient barrier against the finest particles, such as dust, algae and pollen. Result: water so clear that no other sand filter lacking in ClearPro Technology® is able to offer. Maintenance of the filters remains however very simple, as it requires less maintenance than cartridge-type or diatomaceous filters.

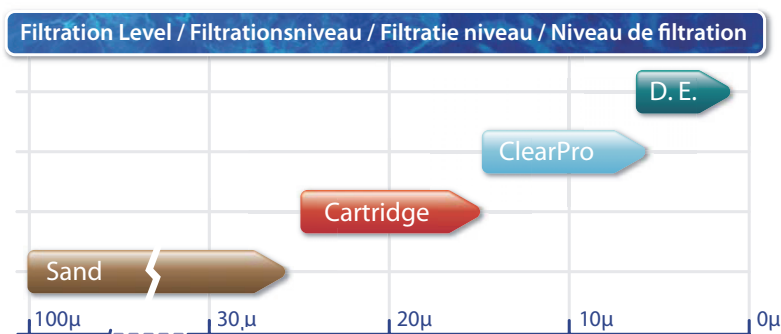
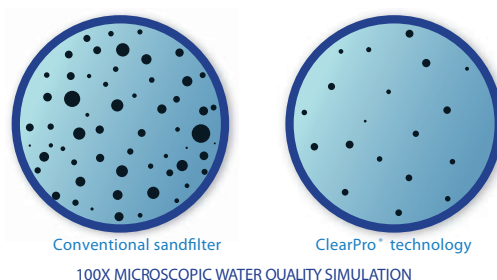
Features:

- Now available with ClearPro Technology®, which is a patented technology by Pentair to reach a very fine level of filtration somewhat 4 times better than with a conventional sand filter (about 10 micron vs 40 micron).
- Valve can easily be mounted, no bolts or threading required, and can be removed from service without the need to disconnect the plumbing (top mount version).
- UV stabilized thermoplastic tank (Tank SM-760 is from polyester).
- Stainless steel one piece clamp connection.
- 6 'Snap-Lock' laterals for easy and cost efficient replacement.
- Large filter opening and drain port with a big cap that can be tightened manually for easier cleaning and seasonal maintenance.
- Rated for 3,5 bar maximum operation (2,7 bar = T-760/SM-760 model).
- Water temperature up to 35°C.

TYPE	ART. NR.	EURO	FILTER	MAX. FLOW	FILTER SAND	VALVE
SM-430 Ø43cm	RD561	420,00	0,12m²	7,4m³/h	70 kg	1,5"
SM-500 Ø50cm	RD562	437,00	0,20m²	10m³/h	90 kg	1,5"
SM-600 Ø60cm	RD563	461,00	0,29m²	14m³/h	140 kg	1,5"
SM-760 Ø76cm	RD565	763,00	0,45m²	22,5m³/h	260 kg	2"



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
SM-430	455	840	750	Ø400	540
SM-500	525	880	820	Ø400	550
SM-600	625	980	920	Ø400	585
SM-760	785	1120	1090	430x500	630



AQUAFORTE SQUARETANK SANDFILTERKIT

code 721

Low priced sand filter set with pump and hose on a base plate. The pumps are equipped with a pre-filter and a "GFCI" - safety plug (ground-fault circuit interrupter). The sand filters are square with rounded corners. The filters are equipped with a 6-way-valve. Max. water temperature: 40°C. Suited for 0,4 - 0,8 mm filter sand. Fill 3/4 with sand. Connections: 32/38mm hose tail. Sewer connection sandfilter: 32 mm / 1" male threaded.

**AQUA
FORTE**

TYPE	ARTNR.	EURO	Ø x H cm	PUMP	MAX. FLOW	TANK VOLUME	PUMP	SAND	MAX. POOL
SQ-300	RD374	161,00	30 x 60	250W	7,5m³/h	19 liter	RD630	18 kg	35000L
SQ-460	RD376	227,00	46 x 79	550W	10m³/h	68 liter	RD632	50 kg	60000L



PENTAIR SANDFILTERKIT AZUR

code 721

Complete mounted sandfilter set with pump on base. Swimmy pump, max. 5,5m³/h, 0,25kW. Filter Ø38cm, incl. 4-way valve. Max. working pressure 2 bar. Sand/gravel not included.

Pentair
Pool Products®

TYPE	ARTNR.	EURO	GRAVEL/ SAND
Azur Kit 5,5m³/h	RD548	383,00	12kg + 30kg



TRITON SANDFILTER

code 721

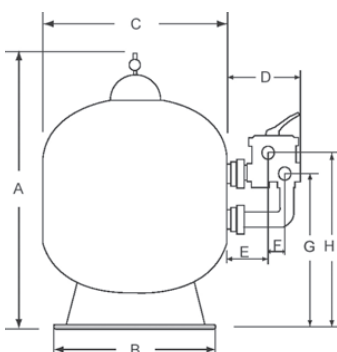
Top quality polyester sand filter. Colour green. Includes Praher 6-way valve, automatic air release, transparent cover, pressure gauge and air release valve. Max. 3,5 bar continuous, max. 50°C, 10 year warranty on vessel (!). Gravel 3-5 mm, sand 0,4 - 0,8 mm. Sand/gravel not included. Advice: Gravel on the bottom improves water flow, also when doing a backwash.

Pentair
Pool Products®

TYPE	ART. NR.	EURO	VALVE	MAX. m³/h	GRAVEL/ SAND
TR-40 Ø48 cm	RD550	599,00	1½"	8,5 m³	20kg + 50kg
TR-60 Ø61 cm	RD552	704,00	1½"	14m³	40kg + 108kg
TR-100 Ø76 cm	RD554	1041,00	2"	22m³	80kg + 200kg
TR-140 Ø91 cm	RD556	1440,00	2"	32m³	120kg + 310kg



DIMENSIONS (mm)				
	TR40	TR60	TR100	TR140
A	825	955	1095	1200
B	400	400	610	610
C	480	610	762	914
D	242	242	292	292
E	110	110	150	150
F	70	70	70	70
G	463	530	590	657
H	524	592	671	738



PENTAIR PRO VALVE

code 721

The Pro-Valve will allow your pool control system to perform automated backwash on your sand filter. The system can work with any pool automation system having an output dedicated for backwashing. The ProValve is actuated by air pressure (compressor is not included). When activating the 230V pilot Valve included with the ProValve, this pilot valve allows for the main cylinder in the valve to move down from filter to backwash position. The pilot valve is connected to your backwash controller. In case of a power failure during the backwash operation, the valve will return to the 'filter position'.

Material: glass reinforced ABS

Air pressure for Pilot Valve: 1.5 to max 3.5 bar (a basic compressor with 3l air tank is sufficient)

Pilot Valve operating at 230V AC , power consumption on activation: 8W

Max Valve Service pressure: 6 bar

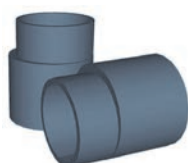
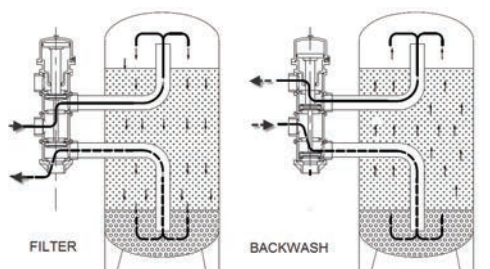
Temperature range: 5 to 40°C

Port size: 2 ¼" BSP on unions, supplied with 63mm fittings

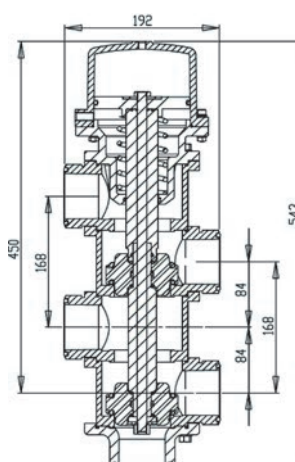
It is possible to rotate in 90° increments if required in a specific installation environment.



TYPE	ARTNR.	EURO
Pro-Valve pneumatic backwash valve	RD530	1095,00
Retro fit adaptor kit for Triton filters	RD531	199,00



Adaptor kit
for Triton Filters



PENTAIR TRITON II WITH CLEAR PRO & PRO-VALVE

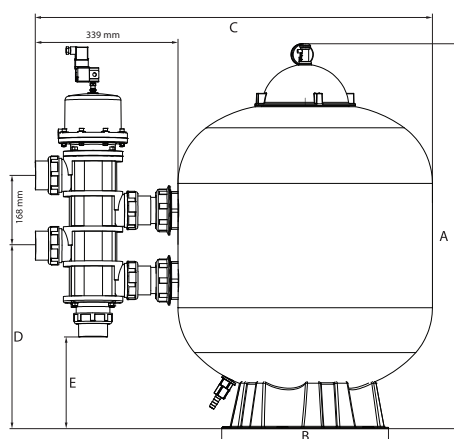
code 721

The ultimate combination of the Pentair Triton sandfilters with Clear Pro technology including automatic Pro-Valve. For technical info see above.



TYPE	ARTNR.	EURO	MAX. FLOW	GRAVEL/ SAND
TR-60 Ø61 cm with Pro-Valve	RD553	1489,00	14m³/h	40 + 108 kg
TR-100 Ø76 cm with Pro-Valve	RD555	1798,00	22m³/h	80 + 200 kg

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
TR-60-PRO	955	400	949	438	211
TR-100-PRO	1095	610	1101	498	271



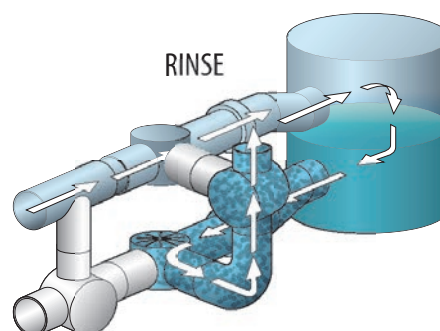
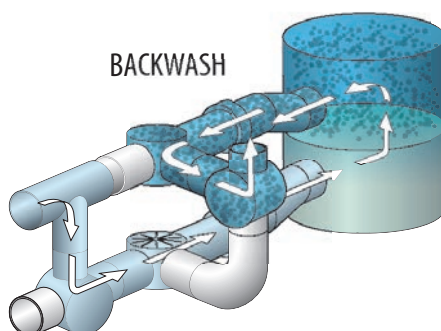
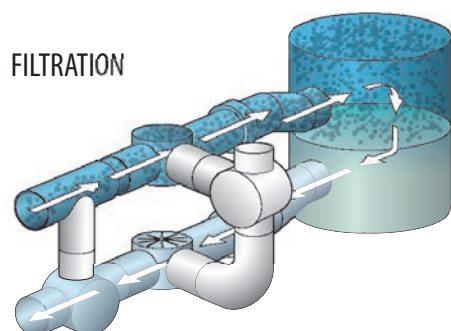
BLUE LAGOON FLOW-MATIC AUTOMATIC BACKWASHING SYSTEM FOR SANDFILTERS

code 901

The Blue Lagoon Flow-Matic is an automatic backwashing system that fits on all side mounted sand filters. It replaces the traditional multiport valve and will reduce the total pressure loss due to its unique flow design. The Flow-Matic has 4 automatic 3-way valves and a touch screen controller. The controller automatically starts/stops the circulation pump and operates the valves for Backwash, Rinse and Filter positions. The user can decide how often the Flow-Matic performs a backwash. Besides the automatic backwash function the user can activate an extra backwash at any time by touching the backwash function in the controller. Backwash and Rinse duration can be defined by the end user. Manual functions for recirculation and draining to waste are also available in the controller.

- Replaces traditional multi-port valves
- Fits on all side mounted sand filters
- Reduces pressure loss significantly
- Backwash and Rinse duration are programmable
- Easy installation and maintenance
- LCD touch-screen controller
- On/Off function for the circulating pump

TYPE	ARTNR.	EURO
Flow-Matic Sandfilter with Ø63mm connections	TA710	1275,00
Connection kit for Triton sand filters	SK494	34,95

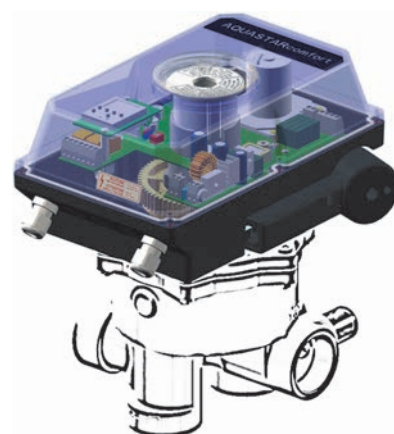


AQUASTAR COMFORT AUTOMATIC 6-WAY BACKWASH VALVE

code 721

Time controlled. Integrated filter pump control. Optic position indication at the lid, manual override for all dimensions. Multi voltage drive 12-34 AC/DC, 12-230 VAC. Additional position 'circulation' which can be optimally used in connection with salt water chlorination equipment, 2 additional potential free clamps, direct pump connection. **Suitable for 1½" and 2" Praher valves.** * Ask for availability. Comes without 6-way valve.

TYPE	ARTNR.	EURO
* AquaStar Comfort	RD700	1160,00



6-WAY VALVE FOR SAND FILTERS

code 721

Backwash valve with 1½" female thread.

TYPE	ARTNR.	EURO	CONNECTION
6-way valve 1½"	RD580	123,00	1½" fem. thr.

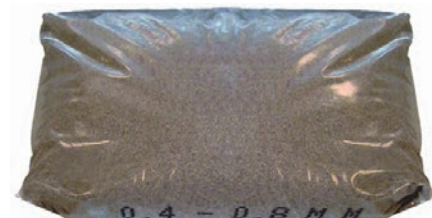


FILTERSAND / GRAVEL FOR SAND FILTERS

code 721

Advice: Gravel on the bottom improves water flow, also during backwash.

TYPE	ARTNR.	EURO	BAG	PALLET
Filtersand 0,4 - 0,8 mm	RD570	11,00	25 kg	40
Filtersand 1 - 2 mm	RD574	11,00	25 kg	40
Filtergravel 3,1 - 5,6 mm	RD576	11,00	25 kg	40



AFM ACTIVE FILTER MEDIA FOR SAND FILTERS

code 721

More information on the previous page.

TYPE	ARTNR.	EURO	BAG	PALLET
Class I 0,5mm to 1mm	RD577	64,50	25 kg	40
Class 2 1mm to 2mm	RD578	64,50	25 kg	40



AFM ACTIVE FILTER MEDIA

code 721

Transform the performance of your filter simply by changing the sand to afm filter media. For pressure and gravity flow sand filters.

APPLICATIONS

Potable water treatment, Swimming pools, Tertiary treatment of sewerage, Industrial effluent, Gray water recirculation, Boiler feed water, Aquatic displays, River, pond & lake treatment, Aquaculture, Public aquariums, Cooling towers

BENEFITS

1. AFM will provide better water clarity and quality.
2. AFM will remove smaller particles from water compared to the equivalent grade of sand.
3. Surface permanent -ve (negative) charge removes small particles, organic modules and +ve ions such as iron and manganese.
4. Smooth micro surface, with permanent self sterilizing catalytic and oxidation properties.
5. AFM is less likely to become contaminated by fats, lipids and biological growth.
6. In chlorinated systems, combined chlorine levels will be lower with AFM, 39 and less coagulant will be required.
7. The AFM filter bed is much less likely to block or channel, compared to sand.
8. Easy to back-flush, approx. 50% less water is used in cleaning AFM.
9. AFM makes it easier to comply with environmental regulations.
10. Very high attrition strength.
11. Chemically AFM is inert.
12. AFM does not contain free silica, it is therefore safer than sand.

WHAT IS AFM?

AFM is an advanced filtration media designed to replace filter grade sand in pressure filters and gravity flow filters. AFM is far superior to a good quality filter sand. Changing from sand to AFM will result in some major improvements to the performance of your filtration system. AFM is manufactured and activated from reprocessed glass by Dryden Aqua. AFM is therefore an environmentally sustainable product.

WHY SHOULD YOU USE AFM?

AFM is a direct replacement for sand in all pressure or gravity flow sand filters. In all applications tested by Dryden Aqua over a period of 5 years, AFM has proved to be superior to a high quality filter sand. AFM will remove smaller particles from the water. Under controlled conditions using 16 x 30 sand, at a flow of 10 cubm/hr/sqm sand removed approx. 90% of all particles down to 10 microns. AFM grade 1 under the same conditions reduced particle size down to 5 microns. In addition to removing solids by physical processes, AFM has a surface -ve charge which allows it to remove very small particles and organic modules by surface adsorption. AFM is excellent at removing +ve ions such as iron and manganese. In addition to the surface -ve charge we have developed surface catalytic properties for AFM. When AFM is used to filter water containing at least 1mg/l of dissolved oxygen, the AFM will dissociate the oxygen molecule to generate two free radicals of oxygen. The free radicals provide a degree of surface disinfection as well as cracking organic molecules on the surface of the AFM. The performance of sand deteriorates, due to surface contamination. However AFM is largely self sterilizing and is cleaned with approx. 50% less back-flush water. The life of AFM may therefore span the life of the filter. In the tertiary treatment of sewerage the media can last for 5 years, in clean water applications it is likely to be in excess of 15 years.

HOW TO USE AFM

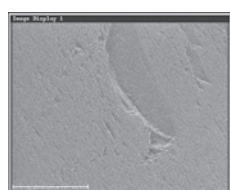
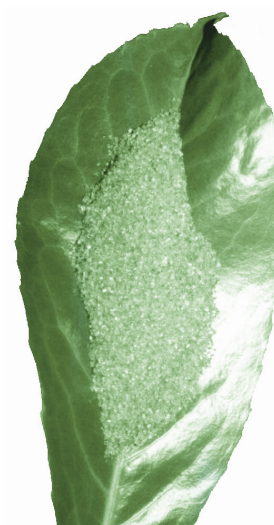
AFM is very easy to use. It is a direct replacement for sand in all pressure or gravity flow sand filters. Simply remove the sand and replace with AFM. In all applications and water flowrates tested, AFM out-performed sand. However in both cases, best performance is achieved using the slowest water flowrate. The filter should be layered with either pea gravel or grade 2 AFM as the bottom layer. The quantity of base material will depend on filter design, however, it is normally 30% of the total bed volume. Grade 1 AFM is placed on top of the grade 2.

Chemical Composition:

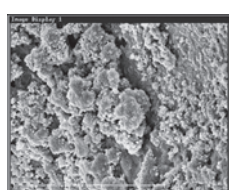
SiO₂ 74%, Na₂O 11%, CaO 10%, MgO 3%, Al₂O₃ 1%.

AFM is processed to have a very low dust content, however, the dust does not contain any free silica like sand. Free silica is carcinogenic and can cause serious respiratory disease. AFM is therefore safer to use than sand.

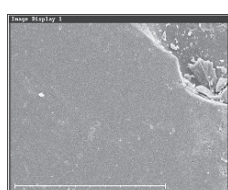
TYPE	ARTNR.	EURO	BAG	PALLET
Grade 1 (0,5mm to 1mm)	RD577	64,50	25kg	40
Grade 2 (1mm to 2mm)	RD578	64,50	25kg	40



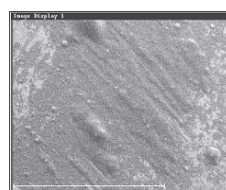
New sand



Used sand



New AFM



Used AFM

Electron Microscope Photographs, of sand and AFM. Sand has 100% bacteria coverage after 3 days in a drinking water filter. AFM stays free of bio-fouling, even after 5 years in sewage effluent. High levels of bacteria reduce filter performance by 30-50% and increase chemical demand.

FILTER GLASS FOR SAND FILTERS

code 721

Manufactured from recycled glass, it is an environmentally friendly and viable alternative to sand.

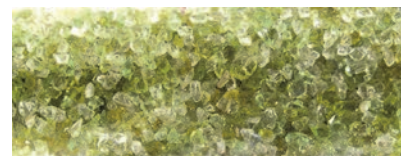
Benefits:

- More efficient: It removes 30% more materials and pollutants than sand, so saving on backwashing and resultant water, heating and chemical treatment costs.
- Clean: It is less susceptible to bio-fouling. The heat-treated surfaces are smooth, requiring less remedial action and less chemical treatment to kill pollutants.
- Requires less: It is less dense than sand, requiring 20% less media (by weight) to fill the equivalent filter.
- It has undergone specialised heat treatment process, which means that its degradation is slower and it therefore has a longer life span.

TYPE	ARTNR.	EURO	BAG
Grade 1 (0,5 - 1 mm)	RD390	19,50	25 kg
Grade 2 (1 - 3 mm)	RD391	19,50	25 kg



GRADE 1 (0,5 - 1 mm)



GRADE 2 (1 - 3 mm)



HIGH PURITY



CLEAN



RECYCLED



REQUIRES LESS



EFFICIENT



LONG LIFE



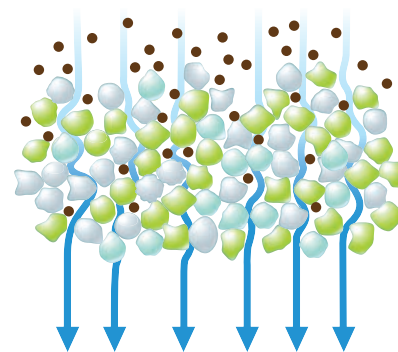
SAVE TIME



SAVE WATER



SAVE MONEY



DEPTH FILTRATION

Glass filter media operate on the basis of "depth filtration"; dirt is driven through the filter bed and trapped in minute spaces between the particles of filter media allowing the cleansed water to pass through

GLASS PEARLS FOR SAND FILTERS

code 721

Manufactured from 100% virgin glass, glass pearls are a new generation of filter media, capable of providing water of superior clarity and requiring less water for backwashing. Glass Pearls are spherical and do not have any sharp edges. They are safe to handle and safe to service.

- Superior filtration down to below 3 micron
- Glass Pearls backwashes with up to 20% less water than sand, saving time and water.
- Glass Pearls have a small effective size of only 0.6mm to 0.8mm
- Chemically inert and free of impurities

TYPE	ARTNR.	EURO	BAG
Glass pearls 0,6 - 0,8 mm (per 20 kilo!)	RD394	42,25	20 kg



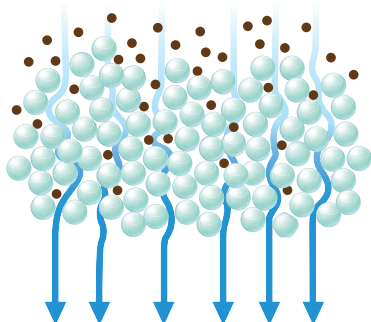
SAVE TIME



SAVE WATER



SAVE MONEY



DEPTH FILTRATION

Glass pearls operate on the basis of "depth filtration"; dirt is driven through the filter bed and trapped in minute spaces between the glass pearls allowing the cleansed water to pass through



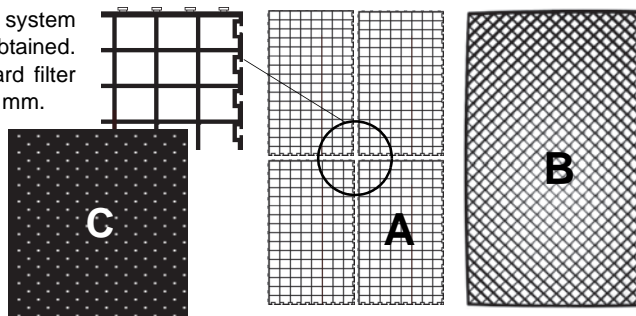
FILTER GRIDS

code 806

The Easy Tray PE grids can be used in many ways. The ingenious click system allows coupling on all sides, therefore desired size and shape can be obtained.

PLEASE NOTE: 4 x Easy Tray have the same dimensions as a standard filter grate of 68 x 40 cm. The black PVC perforated plate has perforations of 6 mm.

TYPE	SIZE L x W x H	ARTNR.	EURO
Easy Tray Black (A)	34 x 20 x 1,5 cm	SB572	2,79
Standard Black (B)	68 x 40 x 1,2 cm	SB570	10,60
Perforated plate (6mm holes) (C)	100 x 100 x 0,3 cm	SB575	71,55

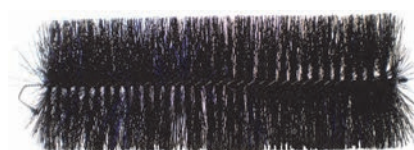


FILTER BRUSHES "BEST BRUSH"

code 806

High quality black brushes with Stainless Steel wire and Polypropylene fibres of two different thicknesses. The thicker fibres provide firmness and the thinner fibres provide density. Excellent price/quality ratio. Brush colour: Black/Blue.

SIZE L x Ø	ARTNR.	EURO	BOX	SIZE L x Ø	ARTNR.	EURO	BOX
30 x 10 cm	SB528	2,52	54	60 x 15 cm	SB537	4,35	9
40 x 10 cm	SB529	2,93	45	75 x 15 cm	SB538	5,25	42
50 x 10 cm	SB530	3,26	36	30 x 20 cm	SB522	4,26	12
60 x 10 cm	SB531	3,68	24	40 x 20 cm	SB523	5,25	12
30 x 15 cm	SB534	3,21	24	50 x 20 cm	SB524	5,85	9
40 x 15 cm	SB535	3,44	18	60 x 20 cm	SB525	6,65	6
50 x 15 cm	SB536	3,84	12				



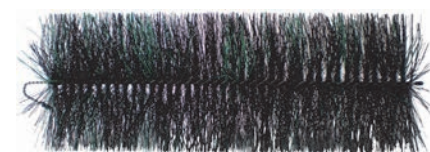
Best Brush

BUDGET BRUSH

code 806

The filter brush with definitely the best price/quality in the market! Very firm, thick brush for a very competitive price. Colour: Black/green.

TYPE	ARTNR.	EURO
30 x 15 cm	SB512	2,70
40 x 15 cm	SB513	3,11
50 x 15 cm	SB514	3,39
60 x 15 cm	SB515	3,60
75 x 15 cm	SB516	4,42



Budget Brush

VORTEX BRUSH

code 806

Now a simple way to stop suspended particles from causing cloudy water and filter blockage. Simply coil the Vortex Brush(es) into your circular filter chambers and be amazed at how much waste is collected. Last for many years. Easy to clean. Lightweight.

TYPE	ARTNR.	EURO	BOX
Vortex Brush 140 x 10 cm	SB568	7,65	1

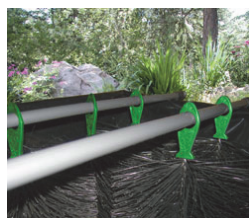


FILTER BRUSH KOI BRUSH

code 806

Koi Brush Colour: Black/green.

SIZE L x Ø	ARTNR.	EURO	BOX
30 x 15 cm	SB558	3,44	24
40 x 15 cm	SB560	3,87	24
50 x 15 cm	SB561	4,31	20
60 x 15 cm	SB562	5,40	24



SPAWNING BRUSH "BEST BRUSH" & KOI BRUSH

code 806

Spawning brush made of smooth, flexible fibres. Best Brush end fitting can be attached to the next brush, therefore any desired length of brushes can be made.

TYPE	SIZE L x Ø	ARTNR.	EURO	BOX
Best Brush	100 x 15 cm	SB510	6,70	10
Koi Brush	130 x 14 cm	SB565	9,00	24



MATALA PPC FILTER MATTING

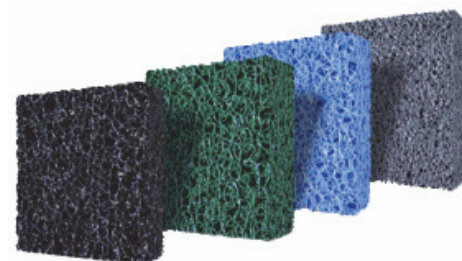
code 806

Revolutionary filter matting! The P(oly) P(ropylene) C(ompound) mats are available in 4 grades of coarseness. The white (extra fine) mats are intended for aquarium applications. Round Matala mats are also available for round filters up to 125 cm diameter. This is a special order available on request only.

Advantages:

- Surface area: 190 - 470 m²/m³.
- Excellent 3-dimensional distribution. 94% open space for high flow rate.
- Easy maintenance and cleaning. Solid rigid shape.
- Resistant against corrosion, chemicals, light and changes in weather & temperature.
- Easily cut with a handsaw, circular saw or band saw.
- Lightweight and easy to transport.

TYPE	ART. NR.	EURO	SURFACE AREA	SIZE L x W x H	BOX	VOLUME PALLET
Coarse (black)	SB461	59,40	190m ² /m ³	120 x 100 x 4 cm	5	45
Medium (green)	SB464	60,50	295m ² /m ³	120 x 100 x 4 cm	5	45
Fine (blue)	SB468	60,50	380m ² /m ³	120 x 100 x 4 cm	5	45
Extra fine (grey)	SB472	63,75	470m ² /m ³	120 x 100 x 4 cm	5	45



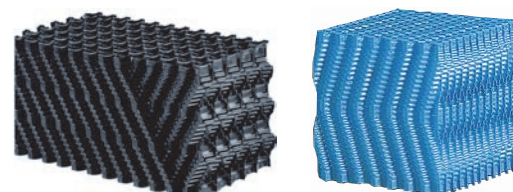
HONEYCOMB FILTER MEDIA

code 806

Filter media often used in professional filters in aquaculture (trickle filters). Made of Polypropylene, which makes it absolutely safe for aquatic life, gives it a long life span and makes it easy to maintain. Surface area: 242m²/m³, mesh opening: 24mm. Large orders can be cut to size. Now also available in blue. Bacterial growth and sedimentation are more visible on a blue background than on a black background.

Applications: cooling towers, gas washers, trickle filters, nitrification- Bio rotors, aquaculture.

SIZE CM	ARTNR.	EURO	COLOUR
block 120 x 30 x 30	SB578	34,85	Black
block 120 x 30 x 30	SB579	41,25	Blue

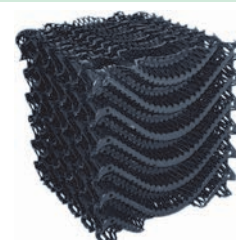


FILTERBLOCK HIGH DENSITY

code 806

First rate filter block, ideal for trickle filters and multibay filters. Specific surface area is 350m²/m³.

SIZE	ARTNR.	EURO
120 x 15 x 30 cm	SB576	50,30

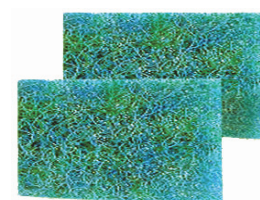


BUDGET BLUE JAPANESE MAT

code 806

Good quality filtermat for a competitive price.

SIZE	ARTNR.	EURO	(PRICE PER m ²)	(PRICE PER 2 m ²)	PACK
120 x 100 x 3,8 cm	SB580	43,00	35,83	71,66	10 pieces



TOP GRADE JAPANESE MAT

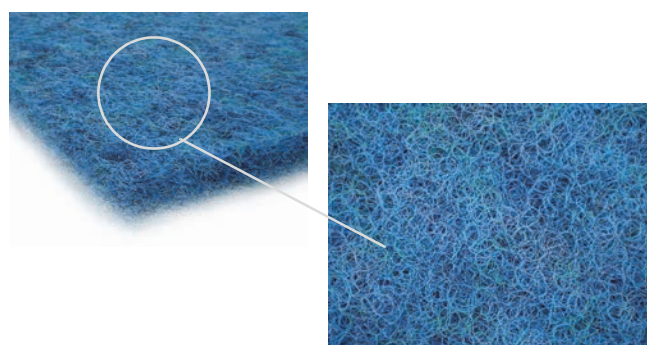
code 806

Improved quality of Japanese matting, increased and better surface area, because of the improved fibres. Surface area ±300m²/m³.

Advantages:

- Faster growth of bacteria.
- Faster start of filters.
- Better adhesion for bio film.
- Made of a **new** raw material, does **not** contain **recycled** material!

SIZE	ARTNR.	EURO	(PRICE PER m ²)	(PRICE PER 2 m ²)	BOX
120 x 100 x 3,8 cm	SB586	47,65	39,71	79,42	10 pieces

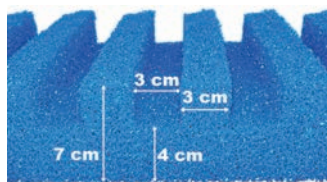


T-PROFILE FILTERFOAM

code 806

Mechanical & biological function. Filter mat with a large surface to filter mechanical and biological waste out of the water. Can be placed directly against each other, because of the T-profile, which guarantees flow canals and prevents clogging.

TYPE	ARTNR.	EURO
Filter foam T-profile 50 x 50 cm	SB415	13,15



FILTER FOAM

code 806

Available in different sizes for orders > 2000 pcs.

SIZE	ARTNR.	EURO	BOX
Ø33 x 2 cm	SB420	2,38	250 pieces
Ø39 x 2 cm	SB422	3,38	200 pieces
125 x 100 x 2 cm	SB430	18,80	1
125 x 100 x 5 cm	SB432	47,10	1



FILTER FLEECE

code 806

Filter fleece on roll, thickness 14 mm.
Special sizes available > 2000 pcs.

SIZE	ARTNR.	EURO
20 mtr x 40 cm	SB446	20,60



CRYSTAL BIO MEDIA

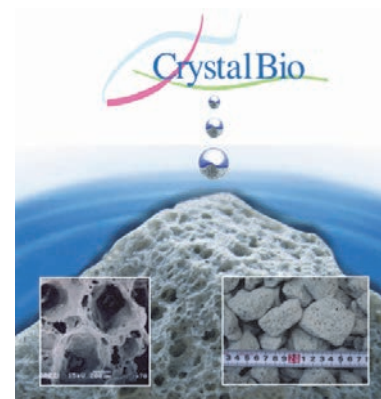
code 806

Crystal Bio is a unique, eco-friendly filter-media, heated in excess of 900°C, creating a hyper-connecting glass cell structure. This produces media with a surface-area at least 10 times greater than most plastic alternatives. Furthermore, the weight is extremely low in comparison to other porous filter media: **50 litres of Crystal Bio weights 7,5 Kilos!** Attention: Crystal Bio floats!

ADVANTAGES:

- Crystal Bio media has an Inter-connecting porous cell structure allowing for a massive biological surface area.
- Crystal Bio helps prevent pH drop.
- Helps reduce Nitrates
- Suitable for multi-bay filters and trickle filters.

TYPE	ARTNR.	EURO
Crystal Bio 50 litre	SB585	139,00



LITHAQUA FILTER- MEDIA & POND SUBSTRATE, PH & KH REGULATOR

code 812

- Natural mineral product very suitable as filter media and pond substrate.
- 10 to 20 times more surface area for bacterial growth than most filter materials.
- Buffers pH and regulates KH & GH.
- Prevents sludge accumulation on the bottom of the pond.

LITHAQUA is a marine mineral, containing large amounts of minerals, trace elements and carbonates. In your pond it assures a continuous mineral balance, which is essential for a healthy biological activity. Use it as a substrate for bacteria to grow on and for fish to play with, or use it as filter media. It is important that at least one filter chamber, preferably the last one, should contain LITHAQUA. LITHAQUA provides minerals and trace elements directly to the bacteria for optimal growth.

Application: As substrate: 10 kg will cover approx. 3 m². As filter media: 25 kg in a filter chamber is ideal. As an additive: 200 gms per m³ per month.

PACK	ARTNR.	EURO
25 kilo bag	SC914	33,75



BACTERIA HOME

code 806

Bacteria home is one of the most advanced filter media on the market. It is made from special raw materials, treated under sophisticated high tec heating process (1800°C). The media's surface consists of countless tiny porous irregular surfaces which provides the enormous surface for beneficial bacteria. Other advantages:

- Increases the valuable minerals and trace elements in the water.
- It breaks the water molecules to increase dissolved oxygen levels.
- Helps to remove toxic materials and heavy metals.
- Re-vitalizes the water quality!

Very suitable for trickle filters and other biological filters.

TYPE	ARTNR.	EURO
Bacteria home box 10 kilo (± 35 ltr)	SB582	188,00



PORAGLASS

code 806

Super porous filter material made of the best quality quartz glass raw materials. Treated with a special heating process. Extremely efficient for nitrification and de-nitrification (nitrate removal). Can be used submerged or in trickle filters. 1 litre PoraGlass equals 1m³ Japanese matting in filter surface area! A good pre-filter is required for this type of filter media!

TYPE	ARTNR.	EURO
PoraGlass bag 1 kilo (± 2 ltr) FINE (aquaria/pond)	SB581	9,75
PoraGlass bag 1 kilo (± 2 ltr) COARSE (pond)	SB583	9,75



NITRATE RESIN

code 364

An ultimate weapon against blanket weed! Unique nitrate selective ion exchange resin which **only** removes nitrate! Even when the nitrate level is very low, no other substances which could lower the pH value (like calcium sulphate) are removed. This in comparison with other nitrate resins, which are known for years in the aquarium world. **Operation:** the nitrate ions are exchanged against harmless chloride ions.

Advantages of this resin against conventional resins for nitrate removers:

- 1) High capacity, even at high sulphate concentrations.
- 2) Amount of sulphate ions in the water remain at the same level.
- 3) **No significant change in the pH value.**
- 4) Easy to regenerate with NaCl (table salt).

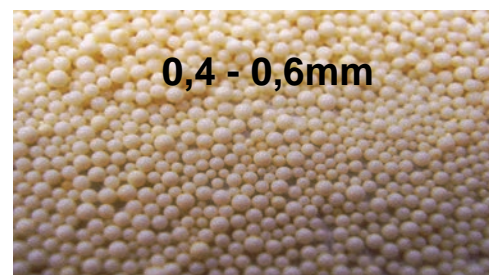
Dosage: 1 litre resin can remove 30 GRAMS/litre nitrate. The resin can easily be regenerated with NaCl (200 grams of table salt per litre of resin) if the resin is saturated with nitrate.

An example on nitrate production:

10 kilos of fish wet weight, 0,1 kilos food dry weight each day (based on food with a 50% protein content) produces 8 gr. of TAN (Total Ammonia Nitrogen) dry weight per day. In a aerobic biological filter 1 gram of Ammonia converts 3,3 gr. of Nitrite, which converts to 4,4 gr. Nitrate. Multiplied by the 8 gr. of Ammonia, mentioned above, we have 35,2 gr. Nitrate per 100 gr. of food. Please note: actual figures will depend on type of filter and filter media and water quality.

Application: fill a mesh bag with nitrate resin and then place the bag in the biological filter so that the water passes through it completely or put it in a separate filter house and let the water run through it in a by-pass with a flow of ± 5000 liters/hour. The lifespan of the resin is about 15 years but by means of organic pollution of the porous resin the actual lifespan will be around 5 years. The lifespan can be extended by regenerating the resin once a year in a hot saltwater solution (50°C).

TYPE	ARTNR.	EURO
Nitrate resin 25 litres	MB550	420,00
Nitrate resin 4 litres incl. resealable mesh bag	MB552	77,40
Separate resealable mesh bag	MB554	3,62

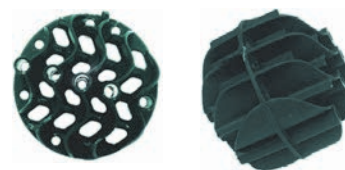


BIOBALLS FILTERMEDIA

code 806

Suitable for biological filters for ponds and aquariums. Ø = 30mm.

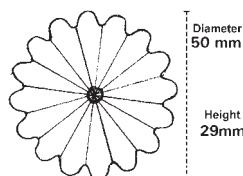
TYPE	ARTNR.	EURO
10 litre bag (±400 pieces)	SB598	19,50



BIORINGS

code 806

TYPE	ARTNR.	EURO
bag 500 pieces = 0,05m³	SB589	35,00
bag 2000 pieces = 0,2m³	SB590	119,00



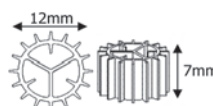
BIOCARRIER TYPE KNS

code 806

Designed as floating carrier for micro-organisms in wastewater treatment. The special shape of the material provides large surface area for a thin bio film and for optimal bacterial growth. The material has an excellent mechanical stability and is safe for all biological life. Diameter 12 mm, height 7 mm.

Surface area 836 m²/m³. Protected surface area is 494m²/m³. Colour: black.

TYPE	ARTNR.	EURO
Bio Carrier "KNS" bag 100 litre	SB592	97,40



BIORINGS

code 806

High quality PVC biorings in 3 sizes. Very useful for trickle filters, biofilters, moving bed filters, etc. **PLEASE NOTE: these biorings do not float**, but are useful for moving bed filtration when aerated well. Big advantage for submerged application in multi chamber filtration because they do not float! Specific surface: Ø10x10mm: 1180m²/m³, Ø20x20mm: 640m²/m³, Ø30x30mm: 370m²/m³.

TYPE	ARTNR.	EURO	BOX
Ø10mm x 10mm (H)	SB595	88,15	100 litre
Ø20mm x 20mm (H)	SB596	84,35	100 litre
Ø30mm x 30mm (H)	SB597	71,80	100 litre



Ø10x10mm



Ø20x20mm



Ø30x30mm

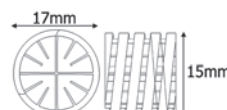


BIOCARRIER TYPE HELIX

code 806

New type of floating or moving bio media. Also suited for trickle filters. Ø17 mm, height 15 mm. Surface area 720 m²/m³. **Protected surface area is 589m²/m³ !** Because of the high protected surface area this media offers a very high biological filtration compared to other bio rings. Colour: white. On the displayed picture you can see the difference between new (white) biorings and "matured" bio rings with biofilm (darker colour).

TYPE	ARTNR.	EURO
Biocarrier "Helix" bag 100 litre	SB594	104,00

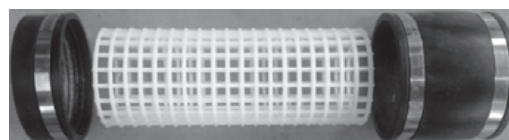


SCREENED PIPE Ø100MM

code 807

Screened pipe Ø100mm, length 25cm. Openings are 11 x 9 mm. Ideal for i.e. moving bed filtermedia. Can be used with Ø110mm flexible fittings (see page 2-2).

TYPE	ARTNR.	EURO
Screened pipe Ø100mm, L=25cm, holes 11 x 9 mm	SG483	4,95



ECO PONDCHIP

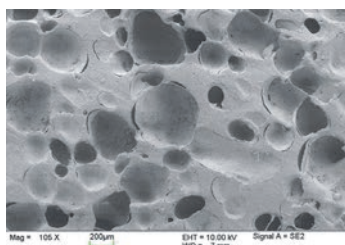
code 806

ECO-Pondchip Power your Filter ...

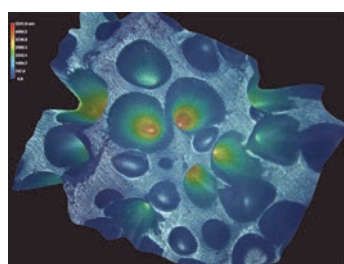
The Eco Pondchip is a new development in (moving bed) filter media. The ECO Pondchips have their origin in the professional waste water treatment, but they have been further developed for usage in ponds. The green chip has a diameter of 20mm and is 1mm thick. The unique surface structure has a specific surface area for bacteria of **3500m²/m³**- what is in average **5-7 times bigger than traditional bio-rings**. As a result you need less of these chips than traditional bio rings. The Eco pondchips are made of virgin, food grade PE and do not include recycled materials. The Eco pondchips are very light, so you don't need much energy to move them (by air and/or water). This can significantly reduce the energy costs of air pumps.

Usage: The Eco Pondchips are used as a biological filter medium (after a mechanical pre-filter). The filter chamber can be filled up to 60% with Eco Pondchips. The chips can also be used as extension for existing moving bed media. As a result the biological filter capacity is upgraded without further reconstruction. Eco Pondchips come in mesh bags with approx. 14 litres of chips. **These 14 litres have a surface of 50m² for bacteria, which is sufficient for an average fish load in 20m³ pond water.** Since this media initially repels water, it is recommended to hang the bag in the pond/filter for a couple of days, before they are put into the filter.

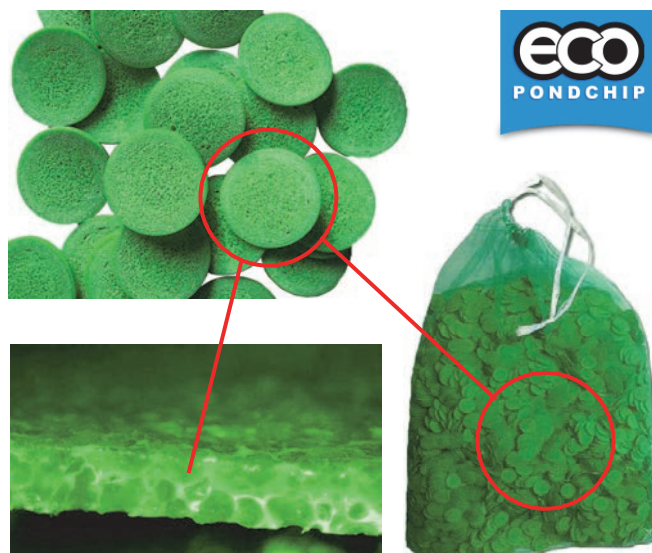
TYPE	ARTNR.	EURO
50m ² (±14 litre) in filternet bag (for 20m ³ pond water)	SB483	67,85
Screened pipe Ø100mm, L=25cm, holes 11 x 9 mm	SG483	4,95



Microscopic view of the surface.



ECO Pondchip surface 100 x enlarged. Pore depth is colour indicated.



Cutaway view of ECO Pondchip

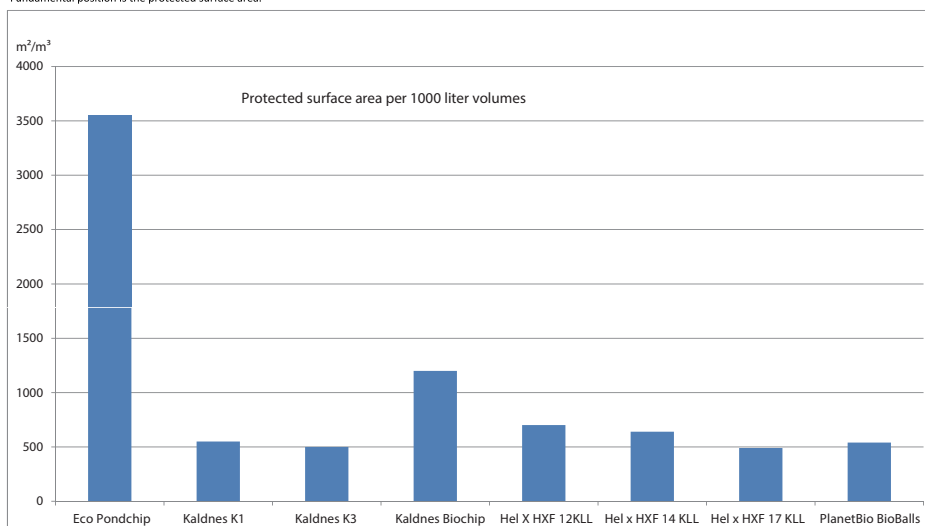
14 litre ECO Pondchip in bag

Moving Bed Filtermedia: compared on specific biological surface

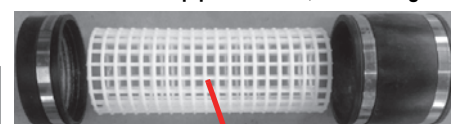
To reach the same specific biological surface for bacteria as the Eco Pondchip you need the following amount of the other filter media:

Eco Pondchip	Kaldnes K1	Kaldnes K 3	Hel-X HXF 12	Hel-X HXF 14	Hel-X HXF 17	
Eco Pondchip 50m ²	11 Liter	91 Liter	100 Liter	71 Liter	78 Liter	101 Liter

Fundamental position is the protected surface area.



New: screened pipe Ø100mm, 25 cm long



POND SALT & ACTIVE CARBON

code 812

Active Carbon: Absorbs i.e. chemicals, fragrances, residual medicines and colorants. After 2-3 month the active carbon is saturated and needs replacement.

Pond salt: Prevents strong pH swings, high ammonium values, nitrite poisoning, fungus, parasites and reduces fish stress.

Dosage: 500 grams per 1000 litres of pond water.

TYPE	ARTNR.	EURO
Active Carbon 10 litre (±3,5-4 kg) ± 3mm pellets	SC867	27,90
Pond Salt 10 litre	SC866	7,70

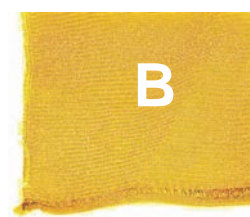
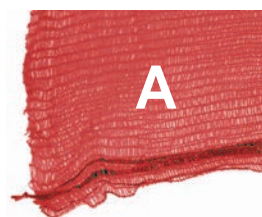


FILTER MEDIA BAGS

code 806

Available in 2 versions: Lighter quality resealable bag (A) for lightweight filtermedia e.g. bio balls and bio rings. Stronger quality resealable bag (B), for filter material like substrate and porous rock.

SIZE	ARTNR.	EURO	COLOUR	PACK
78 x 52 cm (A)	SB447	0,46	Red	100/2000
48 x 32 cm (B)	SB448	0,60	Yellow	100/2000
60 x 40 cm (A)	SB449	0,75	Red	100/2000
80 x 50 cm (A)	SB450	1,13	Red	100/1000

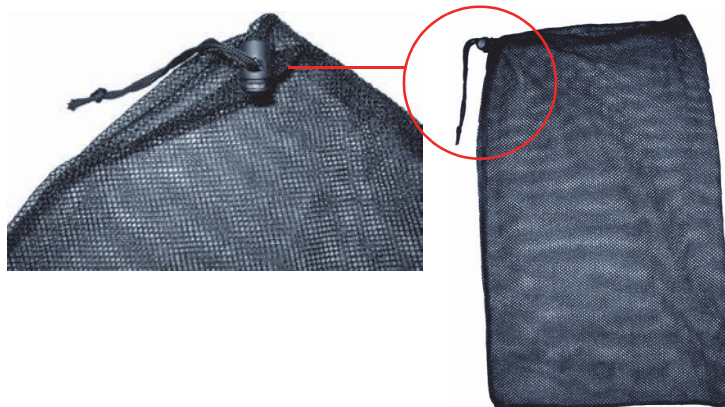


FILTER MEDIA BAGS

code 806

Closable black net bag for filter media like substrate and porous rock.

SIZE	ARTNR.	EURO
45 x 30 cm	SB434	1,03
60 x 45 cm	SB435	1,10
85 x 50 cm	SB436	2,05



BLACK EXTERIOR FILLER-ADHESIVE

code 151

- Won't discolour like other foam! Blends into shadows.
- Polyurethane sealant; ideal for ponds and waterfalls.
- Fish and plant safe.
- Superior adhesive for landscaping projects. Expands and fills voids.
- Fill knot holes in trees to seal out water and pests.
- Product has a dark grey colour after curing.

TYPE	ARTNR.	EURO	BOX	SIZE
Black Foam	AK254	8,90	8	340 gms (9 liter foam)



AQUAFORTE SUPER-STRONG MS POLYMER

code 151

Seals and assembles everything. No odor. High quality permanent elastic glue and sealer for many uses. Adheres to practically any surface. Replaces and combines all standard glues and sealers (silicone, acryl, butyl, etc.) Hardened Fix seal MS is UV-resistant en can be painted. Size 290 ml.



COLOUR	ARTNR.	EURO
Black	AK260	11,50
Transparent	AK262	14,85
White	AK261	14,85



LOCTITE 5331 THREAD SEALER

code 151

The perfect sealer for threaded materials (plastic on plastic, metal on plastic). No more Teflon tape. Very easy to use.

TYPE	ARTNR.	EURO	SIZE
Loctite 5331 thread sealer Plastic on plastic & metal on plastic	AK142	20,60	100ml



FLOWSTOP EZ-SEAL

code 148

The EZ-Seal range of inflatable stoppers are designed for use when there is access to the full pipe bore. Very easy to achieve a good seal in pipes with large tolerances and in non-circular pipes. All pipe sizes from 1.9 – 12.6" (48mm-320mm) can be sealed with just 5 stoppers. Easy to inflate through the self-sealing car-type. Schrader valve using a simple bicycle or foot pump. Airtube length is 1,5mtr. Flowstop 92-145mm is also available with 3 metres of hose and a valve (9mm hose tail connection). AG605 does not fit on the bicycle pump.

TYPE	ARTNR.	EURO
Flowstop 48 - 72 mm	AH600	65,45
Flowstop 72 - 92 mm	AH602	65,85
Flowstop 92 - 145 mm	AH604	69,45
Flowstop 92 - 145 mm with 3 mtr hose	AH605	92,40
Flowstop 145 - 200 mm	AH606	113,00
Flowstop 200 - 320 mm	AH608	228,00
Bicycle pump	AH610	13,25



VALTERRA SLIDE VALVE 2 X PLAIN SOCKET

code 808

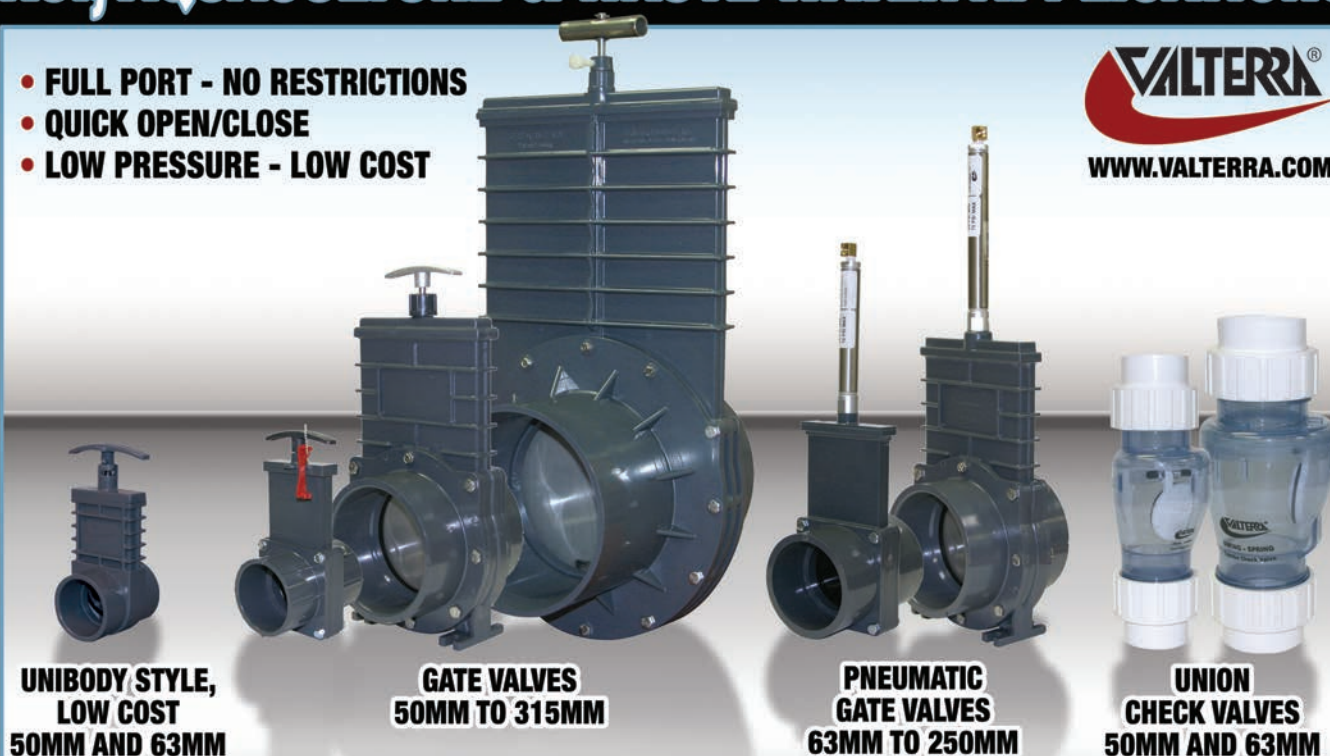
Pvc slide valve with Stainless Steel spindle with triple sealing at the top (3 x O-ring). Application: ponds, pools, whirlpools, tanks, glasshouses. The Valterra slide valves are equipped with Santoprene seals (100% chemical resistant) which are suited for vacuum and pressure. Ideal for low pressure installations. Available in Inch sizes on demand (page 1-4). Extensions can be screwed onto the spindle.

SIZE	ART. NR.	EURO	operational pressure at 20°C	QNT (BOX)
50 mm	SB120	13,15	max. 3,5 bar	26
63 mm	SB121	19,20	max. 2,8 bar	16
75 mm	SB119	25,75	max. 1,4 bar	12
90 mm	SB122	28,25	max. 1,4 bar	12
90 mm (SS blade)	SB118	48,35	max. 1,4 bar	12
110 mm (SS blade)	SB123	60,10	max. 1 bar	6
160 mm (SS blade)	SB124	270,00	max. 1 bar	1
200 mm (SS blade)	SB125	392,00	max. 1 bar	1
250 mm (SS blade)	SB116	525,00	max. 1 bar	1
315 mm (SS blade)	SB117	679,00	max. 1 bar	1
Extension alu. 45 cm	SB090	11,20		
Extension alu. 75 cm	SB092	15,10		
Extension alu. 100 cm	SB094	19,45		
Extension SS 61 cm	SB095	13,90		
Sealing ring 50 mm	SB126	3,13		
Sealing ring 63 mm	SB127	3,80		
Sealing ring 75/90 mm	SB128	4,64		
Sealing ring 110 mm	SB129	6,55		
Handle plastic	SB096	2,08		
Handle aluminium	SB097	3,85		



KOI, AQUACULTURE & WASTE WATER APPLICATIONS

- FULL PORT - NO RESTRICTIONS
- QUICK OPEN/CLOSE
- LOW PRESSURE - LOW COST



**UNIBODY STYLE,
LOW COST
50MM AND 63MM**

**GATE VALVES
50MM TO 315MM**

**PNEUMATIC
GATE VALVES
63MM TO 250MM**

**UNION
CHECK VALVES
50MM AND 63MM**

VALTERRA TRANSPARENT SWING/SPRING CHECKVALVE WITH UNION

code 133

Very reliable checkvalve in swing or spring version (with and without spring) with large free flow area. Due to the transparent house waste can be easily spotted. Suited for vertical as well as horizontal installation. Both sides are fitted with unions.



TYPE	ARTNR.	EURO	QNT (BOX)
50mm swing (no spring)	AD620	29,50	12
50mm spring	AD616	29,50	12
63mm swing (no spring)	AD622	34,30	12
63mm spring	AD618	34,30	12



BUDGET SLIDE VALVES

code 808

Ideal for low pressure systems. Competitive price! The 90 & 110mm valves have a stainless steel blade.



TYPE	ARTNR.	EURO	QNT (BOX)
Slide valve Ø 40 mm	SB040	6,95	120
Slide valve Ø 50 mm	SB041	8,10	60
Slide valve Ø 63 mm	SB042	14,75	48
Slide valve Ø 75 mm	SB043	22,45	30
Slide valve Ø 90 mm	SB044	34,95	12
Slide valve Ø 110 mm	SB045	45,05	12
Slide valve Ø 160 mm	SB046	119,00	4
Sealing ring Ø 63 mm	SB032	3,25	-
Sealing ring Ø 75 mm	SB033	4,00	-
Sealing ring Ø 90 mm	SB034	4,70	-
Sealing ring Ø 110 mm	SB035	5,50	-
Sealing ring Ø 160 mm	SB036	7,80	-



VALTERRA SLIDEVALVE UNIBODY

code 808

The model "Unibody" is made out of one piece and can therefore be used at higher pressure. Furthermore the shutter plate acts as a sealer instead of rubber rings, because it is covered by rubber. The "lock" on top has a lever. This prevents the "vacuum" and makes the Unibody very easy to open, without much effort.

TYPE	ARTNR.	EURO	operational pressure at 20°C	QNT (BOX)
50 mm Unibody	SB110	10,05	max. 6,6 bar	30
63 mm Unibody	SB111	16,30	max. 5 bar	20



VALTERRA PNEUMATIC ACTUATOR

code 808

A delivered complete with valve and pneumatic cylinder. Pneumatic pressure: 4-5 bar. Connection cylinder: 4 mm.

TYPE	ARTNR.	EURO	operational pressure at 20°C
63 mm pneumatic	SB080	125,00	max. 2,8 bar
90 mm pneumatic	SB081	138,00	max. 1,4 bar
110 mm pneumatic	SB082	295,00	max. 1 bar



HDPE SLIDE VALVES

code 454

Economical HDPE slide valves for low-pressure use. With 2 x spigot connection. Install with push fittings. Designed for thicker media, these valves may leak when used with clean water.
*Ask for availability.

size	ARTNR.	EURO
* 200 mm	FC204	363,00
* 250 mm	FC206	471,00
* 315 mm	FC208	619,00



VDL SLIDE VALVE 2 X PLAIN SOCKET

code 808

Durable slide valve, removable packing, leak free in all positions. Adjustable packing alongside steering shaft. 50 till 110mm have a PVC blade. 160 and 200mm have a stainless steel blade.



TYPE	ARTNR.	EURO	operational pressure at 20°C	QNT.
50 mm	SB060	27,70	3 bar	25
63 mm	SB061	45,00	2 bar	12
75 mm	SB062	66,70	1,5 bar	8
90 mm	SB063	99,95	1 bar	6
110 mm	SB070	119,00	1 bar	24
125 mm OUTER DIAMETER	SB073	116,00	1 bar	1
160 mm	SB071	305,00	0,75 bar	1
200 mm	SB072	590,00	0,5 bar	1
Sealing set 50 mm	SB056	6,70	-	-
Sealing set 110 mm	SB067	16,60	-	-



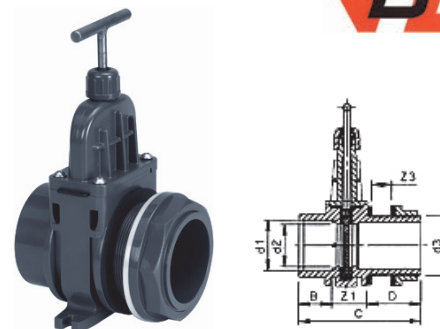
VDL SLIDE VALVE WITH TANKCONNECTOR

code 808

Durable slide valve, removable packing, leak free in all positions. Can be blocked manually in every position. Adjustable packing alongside steering shaft. * Ask for availability.



d1	ARTNR.	EURO	operational pressure at 20°C	d3	B	C	D	Z3	QNT.
50mm	SB050	49,20	3 bar	2"	31	117	52	0-21	25
*63mm	SB051	71,65	2 bar	2½"	38	133	52	0-23	12
*75mm	SB052	93,35	1,5 bar	3"	44	148	56	0-20	8
*90mm	SB053	125,00	1 bar	M 113	51	166	62	0-20	6
110mm	SB054	159,00	1 bar	M 113	61	191	66	0-22	24

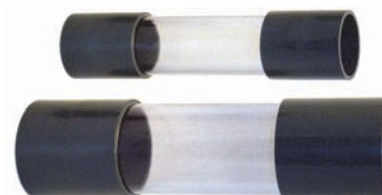


SIGHTGLAS WITH SOLVENT SOCKET

code 808

Sightglass made from transparent pipe provided with PVC solvent sockets. Max. pressure 4 bar.

SIZE	ARTNR.	EURO
50mm	SB220A	10,20
63mm	SB221	14,50
110mm	SB224A	27,30



SIGHTGLAS WITH PVC UNIONG

code 808

Sightglass made from transparent pipe provided with PVC unions. Max. pressure 4 bar.

SIZE	ARTNR.	EURO
50mm	SB225	15,60
63mm	SB226	22,00



CONNECTOR BUDGET

code 808

Straight connector for PVC solvent pipes. Comes with flange and screws.

TYPE	ARTNR.	EURO
Connector Ø 40 mm	SB228	4,19
Connector Ø 50 mm	SB229	4,56
Connector Ø 63 mm	SB230	4,93
Connector Ø 75 mm	SB231	5,20
Connector Ø 90 mm	SB232	5,65
Connector Ø 110 mm	SB233	6,00
Connector Ø 110 mm radial	SB234	10,45



xclear
UV - C & FILTERS

THREADED TANK CONNECTORS "BUDGET"

code 808

Threaded tank connectors with rubber ring and nut.

TYPE	ARTNR.	EURO
Threaded tank connector Ø 40 mm	SB238	3,47
Threaded tank connector Ø 50 mm	SB239	4,24
Threaded tank connector Ø 63 mm	SB240	4,93
Threaded tank connector Ø 75 mm	SB241	5,25
Threaded tank connector Ø 90 mm	SB242	5,60
Threaded tank connector Ø 110 mm	SB243	8,95



xclear
UV - C & FILTERS

FLANGED TANK CONNECTORS

code 808

Applications: inlets and outlets in tanks and ponds. Incl. galvanized screws.
Construction: ABS with double internal glue connection.

SIZE	ARTNR.	EURO
25 mm	SB170	6,85
32 mm	SB171	6,40
40 mm	SB172	6,40
50 mm	SB173	5,65
63 mm	SB174	6,35
75 mm	SB175	6,65
90 mm	SB176	7,35
110 mm	SB178	7,90
110 mm radial	SB180	20,45



EXTRA STRONG FLANGED TANK CONNECTORS RTF

code 808

The heavy-duty R.T.F. tank/liner inlets have double glue muffs and Stainless Steel screws. The 45° angled connector ensures the perfect flow direction of the return water on straight pond walls.

SIZE	ARTNR.	EURO
40 mm	SB150	10,75
50 mm	SB151	12,40
45° angled 50/63mm	SB192	53,70
63 mm	SB152	15,70
75 mm	SB153	21,95
90 mm	SB154	24,90
110 mm	SB155	19,05
110 mm spigot	SB158	19,10



EXTRA STRONG QUALITY!



EXTRA BIG TANK CONNECTORS HEAVY DUTY

code 808

Made of solid PVC.

SIZE	ARTNR.	EURO	SIZE	ARTNR.	EURO
125 mm	SB200	38,90	250 mm	SB208	315,00
160 mm	SB204	105,00	315 mm	SB210	427,00
200 mm	SB206	118,00			



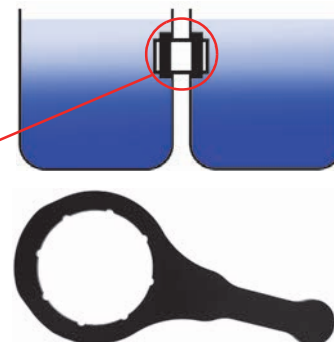
EXTRA STRONG QUALITY !

THREADED TANK CONNECTORS

code 808

Tank/liner connectors. Solvent connection and threaded. Double connector is very useful for connecting filter units. For use with PVC glue.

SIZE	ARTNR.	EURO
32 mm	SB184	2,70
40 mm	SB185	3,15
50 mm	SB186	3,53
110 mm	SB190	21,40
Double connector 2 x 110 mm	SB194	33,35
PE grip for tank connector	SB191	14,35



BOTTOM DRAINS (STRAIGHT)

code 808

Bottom drains for pressure pipe connection, with cover and Stainless Steel screws. RTF models are the heavy-duty versions.

SIZE	ARTNR.	EURO
50 mm	SB166	18,55
50 mm RTF	SB161	24,55
63 mm RTF	SB162	27,65
75 mm RTF	SB163	35,40
90 mm RTF	SB164	37,75
110 mm	SB167	21,95
110 mm RTF	SB165	34,80



RTF BOTTOMDRAIN/TANK CONNECTOR 90°

code 808

To use as bottom- or side drain. A pressure PVC 90° bend is welded on the ABS connector. Ideal to save space! There is also very little chance of sediment in the 90° bend!

SIZE	ARTNR.	EURO
50 mm	SB249	46,20
63 mm	SB250	49,80
90 mm	SB252	73,25
110 mm	SB253	89,00



BOTTOM DRAIN WITH CHAMBER

code 808

Drain with cover to keep fish out and to provide good suction on the bottom. Excentric outlet for minimal accumulation of sediments. Big chamber (Ø32cm), big lid (Ø38cm).

SIZE	ARTNR.	EURO
50 mm	SB136	23,60
110 mm Heavy Duty	SB146	31,60
Cap for bottom drain	SB145	13,25

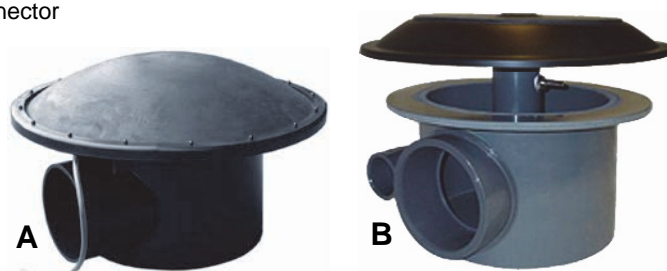


AERATED BOTTOM DRAINS

code 809

Bottom drain 110mm provided with an aerated dome for supplying the pond with air. Diameter dome is 38 cm (air membrane Ø34cm). Advised air supply is ± 20 litre per metre water depth. Air hose connector is 9mm. Type B is completely made of PVC and has a separate 32mm intake for 9mm air hose connection.

TYPE	ARTNR.	EURO
Aerated Bottom Drain 110 mm (A)	SC280	119,00
Aerated Bottom Drain 110 mm (B)	SC252	346,00

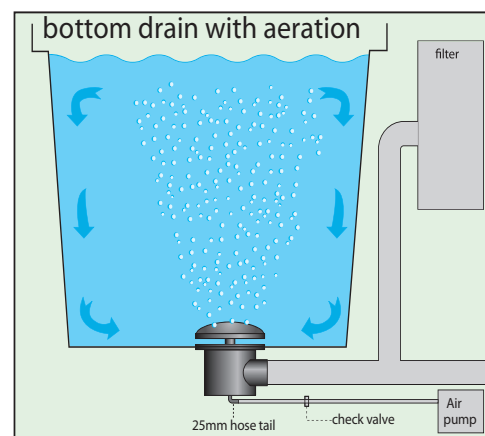


AERATED BOTTOM DRAIN 110MM

code 809

Heavy duty quality bottom drain with eccentric Ø110mm outlet. Fitted with rubber air membrane for optimal aeration and circulation. Fitted with ¾"female connection for supplied 90° hose tail 25mm for aeration hose.

TYPE	ARTNR.	EURO
Bottom drain 110 mm with aeration	SC284	83,00



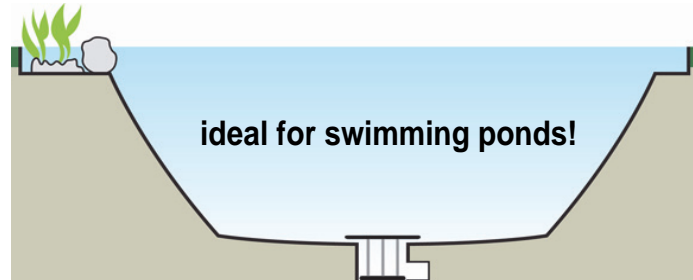
INSERTABLE LID FOR BOTTOM DRAIN

code 808

The ideal solution for e.g. swimming ponds! Due to the strong rim there is a low risk when someone stands on top of the lid. The weight is distributed along the ring that rests on the bottom of a standard bottom drain. Very easy to insert/remove (for maintenance) with a koinet handle. Material: PE & stainless steel. Lid: Ø35cm x 1cm, bottom ring: Ø21cm x 2 cm. Total height: 20 cm.

NOTE: comes in separate parts, due to shipping size. Easy to assemble.

TYPE	ARTNR.	EURO
Insertable lid	SB147	88,10

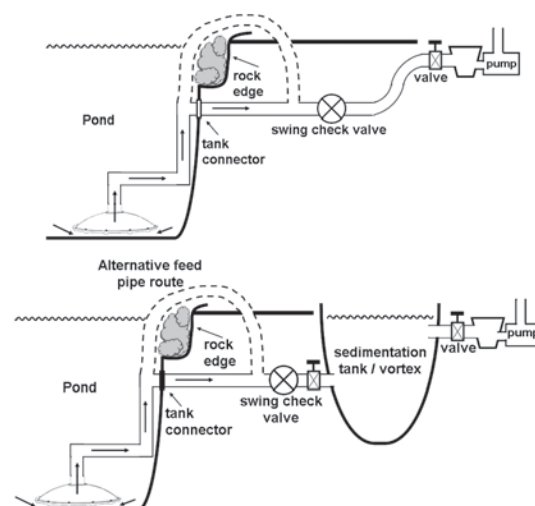


REVERSED BOTTOM DRAIN

code 808

The solution for ponds without bottom drain, which none the less want to use a bottom drain. The reversed bottom drain is being used as a "suction dish". The reversed drain is weighted to keep it on its place. Now fitted with a bottom plate that prevents the bottom drain from too close suction to the liner. Connection: 50mm clamp coupler for 50mm pipe and a 20/25/32/38mm hose tail.

TYPE	ARTNR.	EURO
Reversed drain normal lid Ø38cm	SB140	86,50



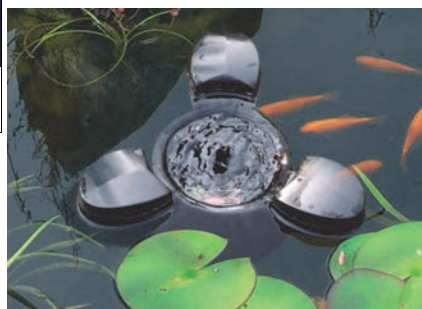
AQUAFORTE FLOATING SKIMMER WITH PUMP

code 808

Floating skimmer with 60 watt pump, capacity up to 3000 l/h. For pond surfaces up to $\pm 50\text{m}^2$. Easy to use, easy to clean. Fitted with skimmer basket, foam filter pad and 10 meter cable.

AQUA
FORTE

TYPE	ART. NR.	EURO	TOTAL SURFACE	CAP.
Floating skimmer with pump	SB254	85,35	$\pm 50\text{m}^2$	3000 l/h



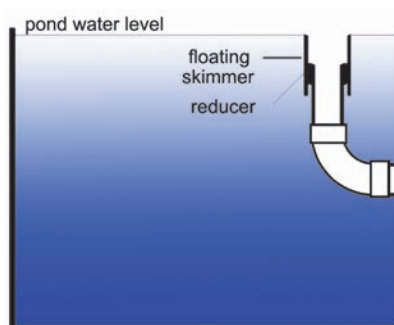
FLOATING SURFACE SKIMMER

code 808

The floating skimmer slides directly over a 160 -110 mm reducer and can than be connected to the pump or filter via a 110 mm tank connector. Height 280 mm, diameter 160mm.

AQUA
FORTE

TYPE	ARTNR.	EURO
Floating Skimmer incl. reducer	SB272	43,55



BLACK COLOUR



AQUAFORTE FLOATING SKIMMER Ø200 WITH BASKET

code 808

Floating skimmer with a diameter of approx. 200mm and a 110mm pipe connection at the bottom side. Comes with basket, can be used without basket.

AQUA
FORTE

TYPE	ARTNR.	EURO
Floating skimmer Ø200 x 110mm	SB271	53,00



AQUAFORTE INPOND STANDING SKIMMER

code 808

Satellite style skimmer, easy to install. Max. flow up to 6000 l/h. Hosetail connection 20/25/32/40mm. Ø200cm, height 63 cm. Skimmer can float. Features a fixed foot which is designed to be filled up with stones for a good stability.

AQUA
FORTE

TYPE	ARTNR.	EURO
Inpond standing skimmer	SB256	46,90



WALLSKIMMERS

code 808

Skimmer to be fitted in the wall of the pond, removes floating waste. Size 1½" female thread.

Internal dimensions model A = 186 x 126 mm

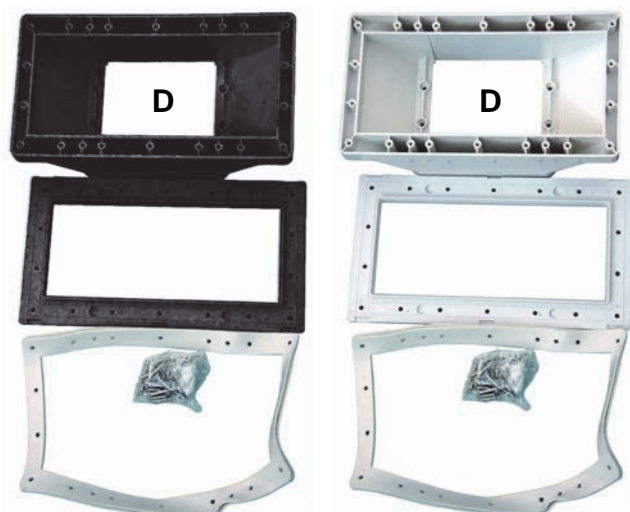
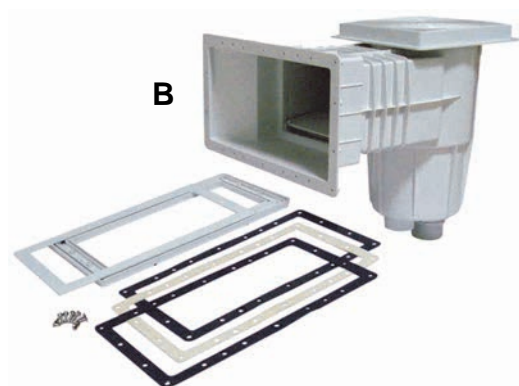
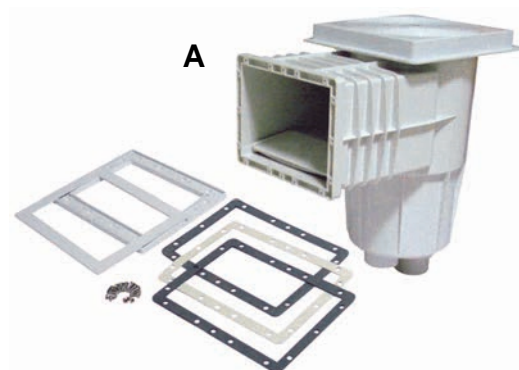
Internal dimensions model B = 342 x 157 mm

Internal dimensions model C = 149 x 142 mm

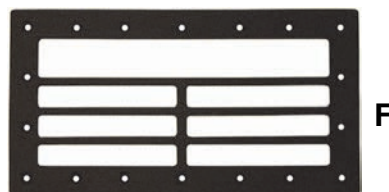
Internal dimensions model D = 295 x 124 mm

Covert a small skimmer into a wide mouth skimmer with this mounting kit (D). Kit comes with adaptor, rubber seal, flange and screws. PE Gatekeeper grid. Restricts fish from entering the skimmer. Size grid normal skimmer: 210 x 205 x 8mm. Size grid wide mouth skimmer: 360 x 195 x 8mm.

TYPE	ARTNR.	EURO
Large (concrete / liner) WHITE (A)	SB260	92,65
Large Wide mouth (concrete / liner) WHITE (B)	SB259	115,00
Standard (liner / prefab) WHITE (C)	SB261	33,20
Standard (liner / prefab) BLACK (C)	SB264	33,20
Skimmer lid BLACK (G)	SB268	3,02
Skimmer basket white for little skimmers (H)	SB266	3,57
Wide mouth kit WHITE (D)	SB262	24,30
Wide mouth kit BLACK (D)	SB263	24,30
PE Gatekeeper grid (E) for normal skimmer (C)	SB275	21,35
PE Gatekeeper grid (F) for wide mouth skimmer (D)	SB276	29,60



GATEKEEPERS



AQUAFORTE SKIMMERS

code 807

In addition to housing and hiding the pump, the advanced filtration provided by an AquaForte skimmer is essential for maintaining a beautiful, healthy water garden. AquaForte skimmers provide mechanical filtration for outstanding water clarity.

- Super Flow weir doors for maximum surface cleaning.
- Designed to be easily camouflaged with natural materials and plants.
- Rugged high-density polyethylene shell warranted for life.
- Each unit includes removable lid and basket.

**AQUA
FORTE**

TYPE	ARTNR.	EURO	WEIR WIDTH	SIZE L x W x H	PUMP CAP.
Skimmer 23	SG320	232,00	23 cm	49 x 65 x 55 cm	7,5 - 15m³/h



AQUAFORTE PRO SERIES SKIMMERS

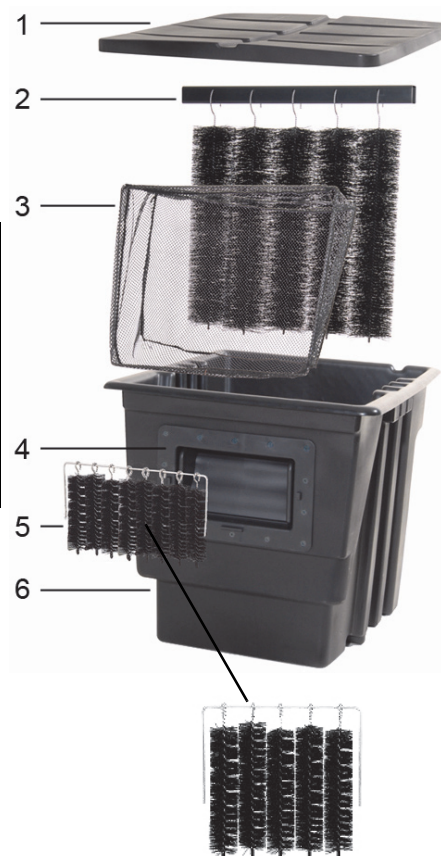
code 807

AquaForte Skimmers and FilterFalls feature heavy-duty components that stand up to years of use. Skimmers come equipped with Super Flow weir doors, debris net and oversized brush panels that reduce maintenance. Satellite Skimmer - Drawing and cleaning water from hard-to-reach areas of a pond, the Satellite Skimmer is used in combination with (and plumbs into) the main pond skimmer.

**AQUA
FORTE**

1. Sturdy removable top lid supports natural rock camouflage and foot traffic.
2. Heavy-duty brush panels provide maximum surface area water cleaning.
3. Heavy-duty stainless steel framed trap net for catching large debris.
4. Super Flow weir door for maximum surface cleaning.
5. Gatekeeper brush panel (sold separately) allows leaves and debris to pass while restricting fish and frogs from entering the skimmer.
6. 400 mil high-density polyethylene shell for the ultimate in durability.

TYPE	ARTNR.	EURO	WEIR WIDTH	SIZE L x W x H	PUMP CAP.	FILTER
Satellite Skimmer	SG322	177,00	15 cm	33 x 33 x 63 cm	4 - 14m³/h	basket
Pro Skimmer 23	SG324	359,00	15 cm	44 x 60 x 55 cm	11 - 19m³/h	net, brushes
Pro Skimmer 35	SG326	463,00	23 cm	63 x 75 x 60 cm	22 - 34m³/h	net, brushes
Brush panel 15 cm	SG328	27,00	15 cm	-	-	-
Brush panel 23 cm	SG330	35,85	23 cm	-	-	-
Brush panel 35 cm	SG332	51,80	35 cm	-	-	-



Pro Skimmer 23



Pro Skimmer 35



Satellite Skimmer can be connected with Pro Skimmer 35

Gatekeeper brush panel keeps fish & frogs out!

AQUAFORTE FILTERFALLS

code 807

Enjoy the beauty of natural falls in your waterscape with AquaForte FilterFalls. Apart from creating the visual and aural qualities of a waterfall, FilterFalls units provide biological water filtration and aeration. The filtration properties of FilterFalls' Bio-tech mats and media help establish a balanced ecosystem for plants and fish to thrive in. FilterFalls units are designed to be easily camouflaged with natural materials and easily accessed for routine maintenance.



- Rugged high-density polyethylene shell.
- Open swirl chamber for enhanced water flow through filter media.
- Upflow design, Bio-Tech filter pads, and media bags (media not included) provide exceptional biological filtration.
- Extra-wide spillways for a dramatic waterfall and superior aeration.
- Designed to be easily camouflaged with natural materials and plants.
- Each unit includes FIPT bulkhead fitting, media bag, filter pad, removable bottom grate (except Bogfilter) and liner attachment flange.



TYPE	ARTNR.	EURO	WATERFALL WIDTH	SIZE L x W x H	PUMP CAP.	BOTTOM GRATE
Bogfilter	SG300	171,00	28 cm	79 x 102 x 43 cm	4 - 7,5m³/h	no
FilterFall 35	SG302	117,00	35 cm	41 x 51 x 36 cm	5,5 - 9,5m³/h	yes
FilterFall 43	SG304	137,00	43 cm	48 x 57 x 36 cm	7,5 - 11m³/h	yes



Bogfilter



FilterFall 35



FilterFall 43

AQUAFORTE PRO SERIES FILTERFALLS

code 807

Professional water garden contractors demand the latest technology and highest quality construction available for the products they install. These products have all the attributes that make large-scale professional installations easy and successful.



1. Heavy-duty removable top grate allows natural rock camouflage.
2. Support bars add stability and reinforce top grate.
3. Media bag and Bio-Tech media provide max surface area for development of beneficial bacteria (media sold separately).
4. Dual Bio-Tech filter mats for exceptional biological filtration.
5. Sturdy bottom grate supports filter media.
6. Rolled upper rim provides clean lines and incredible strength.
7. Bottom chamber will accept bulkhead on all sides while bottom cones reduce surface area for more efficient back flushing.
8. One-piece liner flange allows easy, leak-free attachment of FilterFalls to pond liner.

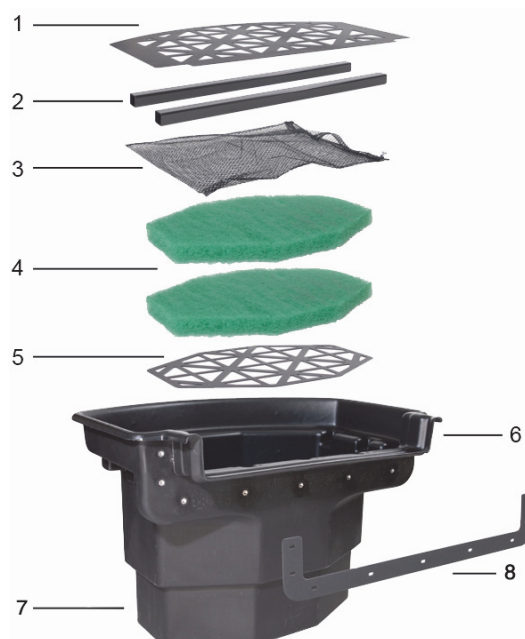
TYPE	ARTNR.	EURO	WATERFALL WIDTH	SIZE L x W x H	PUMP CAP.
Pro FilterFall 48	SG310	275,00	48 cm	70 x 63 x 54 cm	10 - 15m³/h
Pro FilterFall 65	SG312	353,00	65 cm	86 x 63 x 60 cm	15 - 23m³/h



Pro FilterFall 48



Pro FilterFall 65



PONDLESS WATER FEATURES

code 807

As pondless water features continue to increase in popularity, AquaForte's Pump Vaults, Echo Chambers and FastFalls fill much needed roles. Whether you are installing a fountain, disappearing waterfall, stream, or other pondless water feature, our heavy-duty components are engineered for easy installation and maintenance.



AQUAFORTE PUMP VAULT

code 807

This Pump Vault has a virtually indestructible design and can accommodate large pumps and flow rates up to 55.000 lph. Features include heavy-duty lid, 45cm opening, cut lines for pump discharge and pipe extensions and flat panels for custom plumbing applications.

TYPE	ARTNR.	EURO	SIZE Ø x H	PUMP CAP.
Pump vault	SG340	363,00	Ø58 x 75 cm	max. 55m³/h



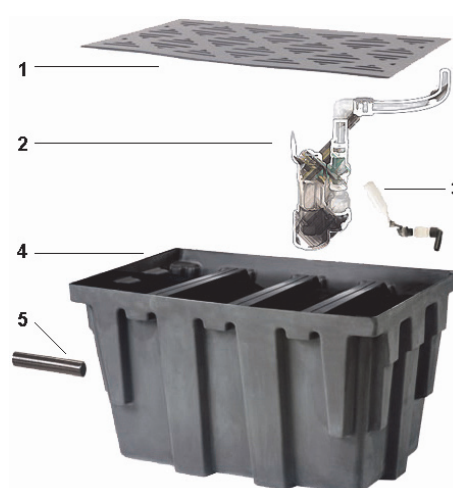
AQUAFORTE PUMP CHAMBER

code 807

AquaForte's Pump Chambers serve not only as a collection basin for pumping, but also amplify natural water sounds to enhance the aural beauty of your water feature.

1. Rugged HDPE grate for supporting gravel or stone.
2. Deep basin accommodates pump and check valve assembly (pump and assembly sold separately).
3. Drill-point areas accommodate autofill assembly (assembly sold separately).
4. Rugged high-molecular weight polyethylene shell warranted for life.
5. Drill-point areas accommodate the addition of overflows, cleanout drains, and lighting (all sold separately).

TYPE	ARTNR.	EURO	SIZE L x W x H	PUMP CAP.	VOLUME
Pump Chamber	SG350	417,00	115 x 73 x 68 cm	up to 38m³/h	380 litre



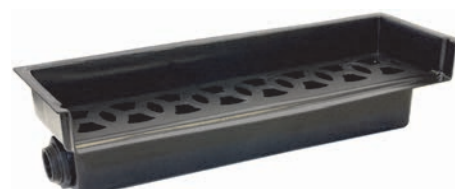
AQUAFORTE FASTFALLS

code 807

Easily add a waterfall or stream to a new or existing water feature.

With spillways ranging from 35, 62 and 92 cm, all come with bulkhead, liner attachment flange, and top grate for easy camouflaging.

TYPE	ARTNR.	EURO	WATERFALL WIDTH	SIZE L x W x H	PUMP CAP.	BULK HEAD
FastFall 35	SG360	58,85	35 cm	40 x 28 x 23 cm	7,5m³/h	50mm
FastFall 62	SG362	99,85	62 cm	68 x 28 x 25 cm	15m³/h	63mm
FastFall 92	SG364	138,00	92 cm	95 x 33 x 23 cm	23m³/h	63mm



AQUA
FORTE

FOUNTAIN BASINS

code 807

The strongest and best-designed on the marketplace, featuring deep plumbing channels on the top of the basin, easy access pump chambers and external flow adjustment for convenient installation and maintenance. Now with new internal buttressing cones for greater rigidity.

TYPE	ARTNR.	EURO	SIZE Ø x H	VOLUME	MAX. FLOW
Fountain basin Ø80cm	SG344	253,00	80 x 32 cm	120 litre	7m³/h
Fountain basin Ø100cm	SG346	359,00	100 x 33 cm	250 litre	14m³/h

1. One piece construction provides exceptional strength.
2. Built-in channels simplify installation, allowing the plumbing to be run on top of the basin.
3. (7) moulded cones support the top panel.
4. Recessed pocket for valves to adjust flow.
5. Recessed pockets allow 1½" conduit sleeves to be installed within the radius of the basin and allow access to pump cords and low voltage wiring when surrounding the unit with pavers.
6. Flat panel for the installation of auto fill systems.



Ø80cm



Ø100cm

HALF ROUND BASIN FOR WATERFALLS

code 807

- Pre-filtered pump chamber with Matala matting
- One-piece construction
- Built-in plumbing channels
- Can be installed above or below grade

TYPE	ARTNR.	EURO	SIZE L x W x H	VOLUME	MAX. FLOW
Half round basin for waterfalls	SG342	397,00	140 x 60 x 40 cm	160 litre	10m³/h



WALL INLET WITH ADJUSTABLE FLOW FOR LINER POOLS

code 843

ABS white, adjustable inlet fitting with flange, gasket & S/S screws. Inside Ø 50 mm slip & 2" MIP. With the help of eyeball cutter it is possible to select the desired dimension / flow rate. Eyeballs Ø14 –20–25, max. recommended flow rate 2,2 m³/h - 4,5 m³/h - 7,0 m³/h. Compatible wall conduit SL322.

TYPE	ARTNR.	EURO
Wall inlet Ø50mm / 2" male threaded (for liner pools)	SL300	33,30



WALL INLET WITH ADJUSTABLE FLOW FOR VINYL POOLS

code 843

As above but for Vinyl pool incl. gasket & S/S screws. Inside Ø 50 mm slip & 2" MIP. Eyeball Ø14–20–25 with max. recommended flow rate 2,2 m³/h - 4,5 m³/h - 7,0 m³/h. Compatible wall conduit SL322.

TYPE	ARTNR.	EURO
Wall inlet Ø50mm / 2" male threaded (for vinyl pools)	SL302	12,50



ADJUSTABLE FLOOR INLET FOR LINER POOLS

code 843

ABS white. Its unique design permits 360° dispersion of fresh water in the pool, incl. flange, gaskets & S/S-screws. Internal Ø 50 mm & 2" slip. Flow rate adjustable, max. recommended 12,0 m³/h. Totally resistant against pool chemicals.

TYPE	ARTNR.	EURO
Floor inlet Ø50mm / 2" male threaded (for liner pools)	SL304	23,35

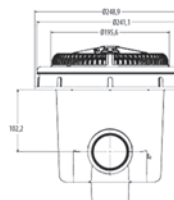
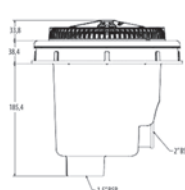


PENTAIR STARGUARD MAIN DRAIN

code 843

8" StarGuard® main drain with 2" BSP side and 1,5" BSP bottom ports. ABS house – white for Vinyl Liner. Comply with VGBA. The VGBA Safety act is a US-certification of compliance that is becoming a world standard. Special increased anti-clamp cover from the manufacturer are requested. Flow bottom: 24m³/h. Flow side: 21m³/h. Open area for water flow: 99 cm². Weight: 1,6 kg.

TYPE	ART. NR.	EURO
Starguard main drain	SL330	92,70



2" FLOOR DRAIN FOR LINER POOLS

code 843

Ø 170 mm. ABS white complete with flange, gaskets & S/S screws. 2" female threaded side connection. Lid unscrewable. Max flow rate: 15 m³/h. It is always recommended to install at least 2 drains per pool.

TYPE	ARTNR.	EURO
Ø170mm floor drain 2" female threaded (for liner pools)	SL306	61,40



2" VACUUM FITTING FOR LINER POOLS

code 843

ABS, white with gaskets & screws. Inside Ø 50 mm slip & 2" MIP. Lid: 1 ½" MIP. Max. pressure: 6 bar.

TYPE	ARTNR.	EURO
2" Vacuum fitting (for liner pools)	SL308	8,55



WINTERPLUG 1½" - 2"

code 843

This plug can be mounted both, in 1,5" (50mm) as 2" (63mm) inlet fittings. Material: NBR and Stainless steel.



TYPE	ARTNR.	EURO
Winterplug 1,5"	SL328	4,39

WALL INLET WITH ADJUSTABLE FLOW FOR CONCRETE POOLS

code 843

ABS white, adjustable inlet fitting. With the help of eyeball cutter it is possible to select the desired dimension / flow rate. Eyeballs Ø14 – 20 – 25, max. recommended flow rate 2,2 m³/h - 4,5 m³/h - 7,0 m³/h. Compatible wall conduit: SL322.



TYPE	ARTNR.	EURO
Wall inlet Ø50mm / 2" male threaded (for concrete pools)	SL310	9,15

ADJUSTABLE FLOOR INLET FOR CONCRETE POOLS

code 843

ABS white. Its unique design permits 360° dispersion of fresh water in the pool, incl. flange, gaskets & S/S-screws. Internal Ø 50 mm & 2" slip. Flow rate adjustable, max. recommended 12,0 m³/h. Totally resistant against pool chemicals.



TYPE	ARTNR.	EURO
Wall inlet Ø50mm / 2" slip (for concrete pools)	SL312	23,35

2" FLOOR DRAIN ROUND FOR CONCRETE POOLS

code 843

Ø170mm. ABS white Ø 170 mm. 2" female threaded side connection. Lid unscrewable. Max flow rate: 15 m³/h. It is always recommended to install at least 2x drains per pool.



TYPE	ARTNR.	EURO
Ø170mm Bottom drain 2" female threaded (for concrete pools)	SL314	11,40

2" FLOOR DRAIN SQUARE FOR CONCRETE POOLS

code 843

ABS, White. 230 x 230mm. Max. flow 35m³/h. Weight 12 kg.



TYPE	ARTNR.	EURO
2" Floor drain square	SL316	11,40

2" VACUUM FITTING FOR CONCRETE POOLS

code 843

ABS white. Lid: 1 ½" MIP. 2" male threaded installation connection. Max. pressure: 6 bar. Installation with wall conduit SL322.



TYPE	ARTNR.	EURO
2" vacuum fitting (for concrete pools)	SL320	10,40

2" WALL CONDUIT

code 843

PVC grey. Length: 300 mm. Backside 2" MIP. Frontside 2" Female threaded.



TYPE	ARTNR.	EURO
2" Wall conduit	SL322	11,00

AQUAFORTE SPECTRAVISION UNDER WATER LIGHTING

SPECTRAVISION® personalise your swimming pool!

Energy efficient - Using only 25 to 48 watt, 84 to 90 % less energy than a standard pool light, the SPECTRAVISION® LED colour changing light uses minimal energy to achieve a stunning colourful effect in any pool.

Long lamp life - The illumination generated by the LED's has a predicted lamp life rated at 100.000 hours under normal operating conditions. The lights have also a favorable recommended temperature range from -20°C to +40°C.

Easy to install - As our patent pending glass enclosure of the SPECTRAVISION® resembles a standard PAR56 bulb size, there is little effort needed in replacing an existing bulb. The bulb will fit in most niches. No modification of the Installation is required.

Brilliant colours - The SPECTRAVISION® LED light works in a RGB mode to create dozens of colours with variable intensity.

No moving parts - This makes the light more sturdy in its construction and less prone to defects.

Easy to control - Change the mode by turning the light off and on again. Go to a single colour or choose one of the modes with continuously changing colours like the disco, party or four season program. OPTIONAL: Remote control An on/off button and a second one to change colours. Made of one IP65 basic unit in weatherproof casing and two remote controls. Indoor range: up to 40m and outdoor range: up to 200m.

AQUAFORTE SPARE LED LAMP WHITE

code 822

- Ultra-bright white LED lamps.
- 35 & 50 watt model resembles a standard PAR56 bulb size.
- Extremely power efficient, 50 watt led lamp is comparable with a normal lamp of 300 watt!
- Bulb life up to 100.000 hours!
- Including 3 metre rubber cable.
- Connect to a normal/existing 12VAC transformer (not supplied).

TYPE	ARTNR.	EURO	LIGHT INTENSITY
35 watt 12VAC 324 leds PAR 56	SG108	190,00	1766 lm
50 watt 12VAC 531 leds PAR 56	SG110	260,00	2921 lm
PAR 56 niche white for liner/concrete wall	SG112	120,00	-
Black ring for PAR56 niche	SG113	23,25	-



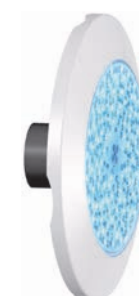
WHITE

AQUAFORTE SPARE LED LAMP COLOUR

code 822

- Ultra-bright LED lamps in the colours red, green and blue.
- 35 & 50 watt model resembles a standard PAR56 bulb size.
- 16 programs for colour variations - natural colour changes.
- 16 colour modes controlled by the on/off switch.
- Extremely power efficient, 50 watt led lamp is comparable with a normal lamp of 300 watt!
- Bulb life up to 100.000 hours!
- Including 3 metre rubber cable.
- Connect to a normal/existing 12VAC transformer (not supplied).

TYPE	ARTNR.	EURO	LIGHT INTENSITY
35 watt 12VAC 324 leds PAR 56	SG128	190,00	627 lm
50 watt 12VAC 531 leds PAR 56	SG130	265,00	1028 lm
PAR 56 niche white for liner/concrete wall	SG112	120,00	-
Black ring for PAR56 niche	SG113	23,25	-



COLOUR

AQUAFORTE REMOTE CONTROL LED LAMPS

code 822

An on/off button and a second one to change colours. Made of one IP65 basic unit in weatherproof casing and two remote controls. Indoor range: up to 40m and outdoor range: up to 100 mtr.

Made of one IP65 basic unit in weatherproof casing and two remote controls.

TYPE	ARTNR.	EURO
Remote control to be connected between the existing 24VAC transformer and the lights.	SG140	135,00
Remote control with built-in 240V - 24V transformer.	SG142	235,00



SPECTRAVISION ADAGIO+ LED LIGHTING

code 822

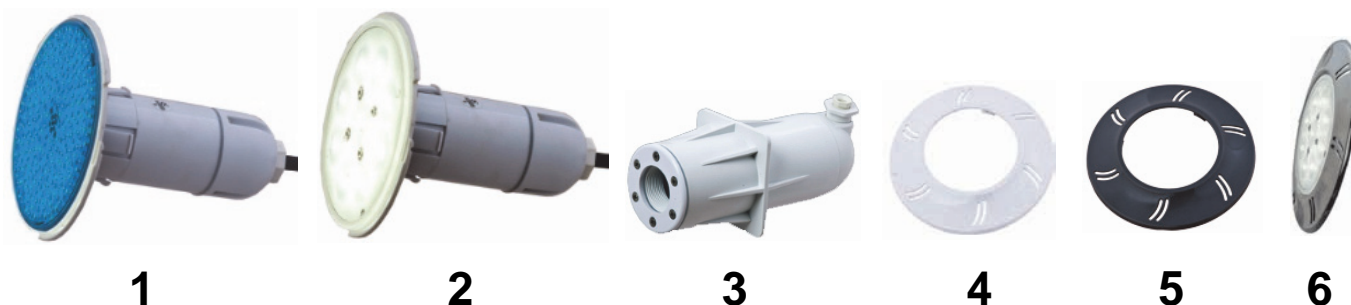
The ADAGIO+ is a new universal concept of pool lighting based on LED lighting. LED's are extremely efficient and can save up to 88% on energy costs when compared to traditional incandescent light bulbs. Due the extremely long life time of LED lighting the maintenance cost is very low. The ADAGIO+ can be installed in most standard 1,5" inlets, only 2 wire cable is used for WHITE and RGB lamps. Choice of front rings in white and black Polymer and Stainless steel. With ADAGIO+ handy remote, making your choice is very easy. White colours can be selected directly with one click on the button. Together with Philips, the industry leader in LED technology, this light has been developed to produce high light output.

- Highest quality LED's.
- Only 2 wire cable for Power and Control.
- Uniform Illumination in the pool (Very wide light beam).
- 3 White tones and 11 Colour modes. (Only for Colour version).
- 4 meter cable is included.
- Can be installed in our wall conduits or in most 1,5" standard inlets.

TYPE	ARTNR.	EURO
PLA100-RGB Colors LED, 50W, Ø100mm (1) max. 1700 lm	SG115	430,00
PLA100-WH White LED, 23W, Ø100mm (2) max. 2100 lm	SG116	238,00
PLA100-WW Warm White LED, 25W, Ø100mm (2) max. 1700 lm	SG117	255,00
PLA170-RGB Colors LED, 60W, Ø170mm (1) max. 2400 lm	SG120	525,00
PLA170-WH White LED, 48W, Ø170mm (2) max. 3700 lm	SG121	325,00
PLA170-WW Warm White LED, 50W, Ø170mm (2) max. 3200 lm	SG122	355,00
PZA-WC Wall conduit for concrete/stone/liner/mosaic pools (3)	SG102	40,00
White front ring for LED lamp PLA100 cover (4)	SG103	22,00
Black front ring for LED lamp PLA100 cover (5)	SG104	22,00
Stainless steel front ring for LED PLA100 lamp cover (6)	SG105	64,00
White front ring for LED lamp PLA170 cover (4)	SG132	27,00
Black front ring for LED lamp PLA170 cover (5)	SG133	27,00
Stainless steel front ring for LED PLA170 lamp cover (6)	SG134	78,00

LAMP TYPE	NUMBER OF LAMPS	Max. length of cable per cable thickness				VA TRANSFORMER (12VAC) *
		2,5 mm ²	4,0 mm ²	6,0 mm ²	10,0 mm ²	
PLA100-WH (-KAD)	1	45m	75m	110m	190m	53
PLA100-WW	2	20m	35m	50m	90m	106
PLA100-BL	3	15m	25m	35m	60m	159
	4	10m	15m	25m	45m	212
PLA170- WH (-LC)	1	25m	40m	60m	100m	98
PLA170-WW (-LC)	2	10m	20m	30m	50m	196
PLA170-BL	3	5m	10m	20m	30m	294
	4	5m	10m	15m	25m	392
PLA100-RGB	1	25m	40m	60m	110m	87
	2	12m	20m	30m	50m	174
	3	7,5m	15m	20m	35m	261
	4	5m	10m	15m	25m	348
PLA170-RGB	1	12m	20m	30m	65m	120
	2	7,5m	12,5m	20m	35m	240
	3	5m	10m	15m	25m	360
	4	/	7,5m	10m	15m	480

4m x 1 mm² cable, which is included has already been taken in consideration in the calculation.
The calculation is based on a 12VAC transformer in full power.



FISH TRANSPORT BAGS

code 821

Heavy duty fish transport bags with smooth sealed corners (except the SF320) so the fish are unable to get in the corner of the bag. Can withstand more than 25 kg compression and more than 20 kg tension. Price per box.

SIZE	ARTNR.	EURO	BOX
12,5 x 34 cm (thickness 0,06mm)	SF320	12,90	250
25 x 60 cm (thickness 0,06mm)	SF322	52,60	250
35 x 75 (thickness 0,06mm)	SF324	73,70	250
45 x 80 cm (thickness 0,06mm)	SF326	106,00	250
45 x 120 cm (thickness 0,08mm)	SF328	92,35	100

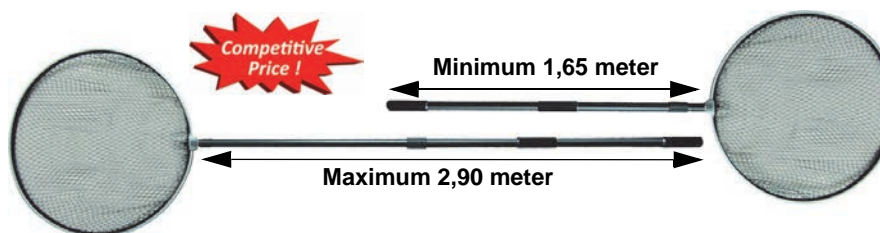


AQUAFORTE KOINET WITH TELESCOPIC HANDLE

code 821

Very compact size koinet. Net can be screwed to the telescopic handle. Black anodized aluminium handle is adjustable from 1,65 to 2,9 meter. Net is fitted inside aluminium ring which prevents it from damaging.

TYPE	ARTNR.	EURO
Koinet Ø60cm (6mm Hexa) with telescopic handle 1,65-2,9m	SF220	56,80
Koinet Ø80cm (8mm Hexa) with telescopic handle 1,65-2,9m	SF222	64,80
Koinet Ø100cm (10mm Hexa) with telescopic handle 1,65-2,9m	SF224	71,65



HOBBY NETS WITH WOODEN HANDLE

code 821

Very good value for money. Nets are including handle.

TYPE	ARTNR.	EURO
Square net 26 x 24 cm, wooden handle 80 cm	SF286	10,60
Round net Ø 27 cm, wooden handle 80 cm	SF288	10,60



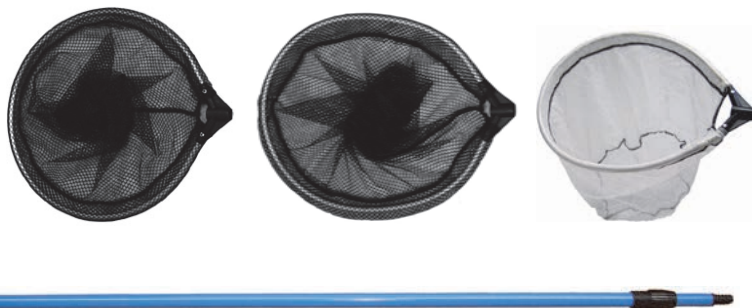
KNS
KOI NET SUPPLIES

NETS

code 821

Aluminium nets **excluding** telescopic handle.

TYPE	ARTNR.	EURO	COLOUR
Ø 35 cm fine mesh	SF142	6,25	White
Ø 35 cm wide mesh	SF143	6,25	Black
Oval 33 (B) x 40 (L) cm fine mesh	SF144	6,45	White
Oval 33 (B) x 40 (L) cm big mesh	SF145	6,45	Black
Telescopic handle 1,0 - 2,2 metre	SF146	3,92	-



KOINET

code 821

Very low priced koi inspection net with aluminium frame. Fiberglass handle, 3 metres long, order separately!

TYPE	ARTNR.	EURO
Ø 60 cm	SF150	31,90
Ø 80 cm	SF151	35,55
Ø 100 cm	SF152	41,45
Fiberglass handle, 3 metre	SF155	44,35



HOBBY NETS WITH ALUMINIUM HANDLE

code 821

Very good value for money.
Nets are **including** handle.

KNS
KOI NET SUPPLIES

TYPE	ARTNR.	EURO
Round net Ø 43 cm, alu. handle 1,5 metre (3)	SF280	31,25
Round net Ø 51 cm, alu. handle 2 metre (3)	SF282	44,40
'Spoon' net 40 x 50 cm, alu. handle 1,5 m. (4)	SF284	32,80



PROFESSIONAL KOI-NETS

code 821

Professional aluminium nets for intensive use. Handmade in England. 'Superb' nets, and truly sound value for money. They are extremely well made and strong and will stand up to the job that they are required to do. **Net and handle to be ordered separately.** Note: The replacement nets can also be used for Garry Bourne nets. Handles are also compatible with pool/pond accessories.

KNS
KOI NET SUPPLIES

TYPE	ART. NR.	EURO
(1) net head only Ø 90 cm Hexa (6mm)	SF250	76,45
(1) net head only Ø 76 cm Hexa (6mm)	SF252	60,70
(1) net head only Ø 66 cm Hexa (6mm)	SF254	50,65
(1) net head only Ø 56 cm Hexa (6mm)	SF256	46,20
(2) net head only "square" 48 x 41 cm Hexa (6mm)	SF258	47,55
(3) net head only "spoon" 53 x 46 cm Hexa (6mm)	SF260	48,50
(4) net head only "D shape" 64 x 56cm Hexa (6mm)	SF290	64,80
handle 1 metre (Ø32mm)	SF262	15,30
handle 1,5 metre (Ø32mm)	SF264	19,80
handle 2 metre (Ø32mm)	SF266	31,25
handle 2,5 metre (Ø32mm)	SF268	37,30
handle 3 metre (Ø32mm)	SF270	39,60
replacement net Ø 90 cm Hexa (6mm)	SF251	15,75
replacement net Ø 76 cm Hexa (6mm)	SF253	11,85
replacement net Ø 66 cm Hexa (6mm)	SF255	10,85
replacement net Ø 56 cm Hexa (6mm)	SF257	9,35



KNS DETACHABLE HANDLE 3 MTR

code 821

KNS detachable handle in 2 parts. Easy to mount with stainless steel screw. Benefits: cheaper transport, handle has consistent diameter. Fits all KNS koi nets.

TYPE	ARTNR.	EURO
KNS detachable handle (3mtr, consists of 2 parts)	SF271	55,75

Consists of 2 parts
Maximum 3 metres



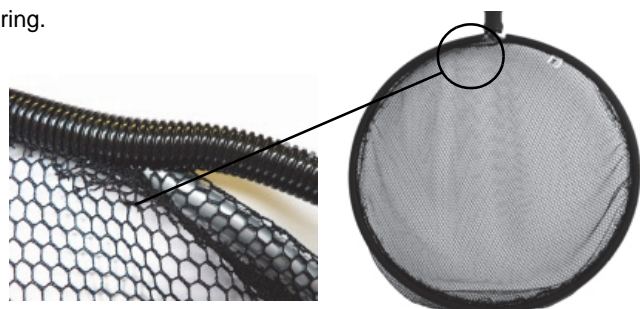
NET PROTECTION RING

code 821

Protection ring, which can simply be slid around the outer ring.

KNS
KOI NET SUPPLIES

TYPE	ARTNR.	EURO
Protection for nets Ø 90 & Ø 76cm	SF248	12,00
Protection for nets Ø 66 & Ø 56cm	SF249	9,25

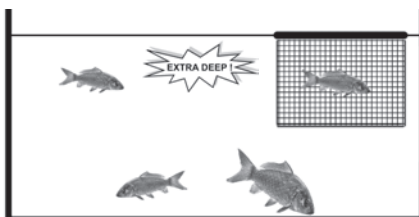


FLOATING INSPECTION NET KNS

code 821

Floating net to select and inspect fish. Net mesh micro (3mm). Frame made of pvc, easy to assemble. Now also available in **extra deep version** to put fish temporarily apart for koishows or inspection.

SIZE (L x W x D)	ARTNR.	EURO
80 x 40 x 30 cm (standard)	SF138	35,25
100 x 60 x 40 cm (standard)	SF139	42,65
90 x 60 x 60 (extra deep)	SF130	54,00
120 x 90 x 75 (extra deep)	SF132	78,45
150 x 120 x 100 (extra deep)	SF134	114,00

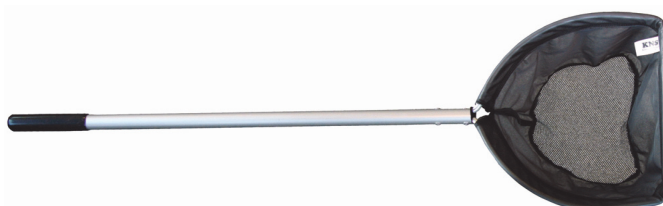


KNS SMALL D SHAPE NET

code 821

Ideal for catching small fish from selling tanks. The net has an open net structure in the bottom and the dense transport sock material on the sides. Aluminium handle 75cm, net 30 x 30 cm.

TYPE	ARTNR.	EURO
D-shape net	SF291	35,25



KOI SOCK

code 821

Koi sock for the transfer of Koi. With a wooden handle.

TYPE	ARTNR.	EURO
Koi sock Ø 24 cm	SF295	8,70
Koi sock Ø 30 cm	SF296	11,50



PROFESSIONAL KOI SOCKS

code 821

Koi sock for the transfer of Koi. The handle is 15 cm long.

TYPE	ARTNR.	EURO
Ø 25 cm length 100 cm	SF272	23,40
Ø 30 cm length 142 cm	SF274	31,65
Ø 41 cm length 142 cm	SF276	38,65



KNS
KOI NET SUPPLIES

WATERPROOF KOI TANSFER TUBE

code 821

Waterproof sock for the safe transfer of Koi.

TYPE	ARTNR.	EURO
Ø 25 cm length 117 cm	SF278	44,40



KNS
KOI NET SUPPLIES

(SWIM)POND BRUSH WITH TELESCOPIC HANDLE

code 821

Easy to use brush with rigid polypropylene fibres and strong aluminium handle.

TYPE	ARTNR.	EURO
Pond Brush 30x6cm with 4 metre aluminium handle	SF165	29,50



BLANKET WEED BRUSH

code 821

Very convenient tool to remove blanket weed! Twist the blanket weed around the brush, retract the brush back into the handle and the blanket weed will fall off the brush. Aluminium handle with plastic grip. Total length: 175cm.

TYPE	ARTNR.	EURO
Blanket weed brush	SF198	17,80

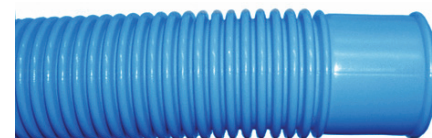


POOLFLEX FLOATING HOSE

code 821

Poolflex is a floating hose with integrated coupler sockets on every 1,5 metre. You can cut the hose to the desired size. It can be used i.e. directly on bottom vacuum cleaners. Only available on 50 metre rolls, packed in a cardboard box.

TYPE	ARTNR.	EURO	BOX
Poolflex 32 mm	SF185	208,00	50 metre
Poolflex 38 mm	SF186	225,00	50 metre



ALUMINIUM BOTTOM CLEANER

code 821

Heavy Duty quality bottom cleaner with hinged/foldable edges, with 12 wheels for easy movement on walls and bottom. Width: 45 cm.

TYPE	ARTNR.	EURO
Heavy Duty cleaner 45cm wide	SF162	66,35



BOTTOM CLEANER

code 821

Flexible bottom cleaner, 35 cm wide, ballasted with weights, rolls on 8 wheels. Connection for a telescope handle and a 38mm suction hose. Can be delivered with or without brushes.

TYPE	ARTNR.	EURO
Without brushes	SF160	19,30
With brushes	SF161	21,80



BOTTOM CLEANER WITH BRUSHES

code 821

Bottom cleaner with brushes, 30 x 14 cm, ballasted. Connection for a handle and a suction hose of 32/38mm.

TYPE	ARTNR.	EURO
Bottom brushes	SF163	11,60
Bottom + side bushes	SF164	13,75

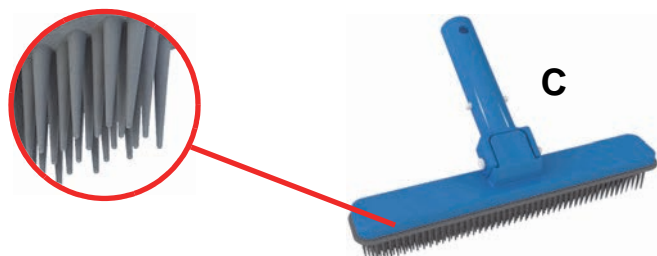


POOL BRUSHES

code 821

The rubber pool brush is ideal for concrete-, fibreglass or vinyl pools. The rubber brush will remove the most persistent dirt, algae and stains and has a much longer lifespan than plastic brushes.

TYPE	ARTNR.	EURO	TYPE
Brush 25 cm with aluminium reinforcements	SF169	10,10	A
Brush 25 cm with SS brushes	SF170	13,45	B
Brush 25 cm rubber	SF175	4,86	C
Brush 45 cm synthetic	SF174	6,45	D
Brush 45 cm with Aluminium reinforcements	SF172	13,45	E
Edge brush synthetic	SF171	3,94	F



LEAFNET / SCOOP FOR POND AND POOL

code 821

Flat net to remove dirt from the pool surface. Polyester net, polypropylene or aluminium frame.

TYPE	ARTNR.	EURO
Synthetic	SF176	3,81
Aluminium	SF178	8,85

Synthetic



Aluminium



DEEP LEAFNET / SCOOP FOR POND AND POOL

code 821

Flat net to remove dirt from the pool surface. Polyester net, polypropylene or aluminium frame. 38 cm deep. The aluminium version has a "scraper strip" to remove waste from the bottom.

TYPE	ARTNR.	EURO
Synthetic	SF177	5,85
Aluminium	SF179	12,40

Synthetic



Aluminium



TELESCOPIC HANDLES

code 821

Universal telescope handles Ø 32mm, for a.o. nets, brushes, pistons, etc. The blue version has a wall thickness of 0,8mm, the silver version has a wall thickness of 1,1mm.

TYPE	ARTNR.	EURO
Blue 1,80 - 3,60 metre wall: 0,8mm	SF180	22,90
Blue 2,40 - 4,80 metre wall: 0,8mm	SF181	27,65
Silver 1,80 - 3,60 metre wall: 1,1mm	SF182	32,60
Silver 2,40 - 4,80 metre wall: 1,1mm	SF183	39,35



LEAF TRAP

code 821

For easy connection with standard garden hose systems. The back pressure creates suction that removes leaves and other waste from the bottom and stores them in the waste bag. Fitted with bottom brushes. Fits on standard telescopic handles.

TYPE	ARTNR.	EURO
Leaf trap	SF190	27,55
Separate bag for leaf trap	SF191	3,27



POOL VACUUM KREEPY KRUISER

code 721

Automatic pool vacuum cleaner with flexible hose and accessories. Connect to swimming pool skimmer or pump. Comes with 12 meters flexible floating hose, flowmeter for correct flow adjustment, control valve. This cleaner cannot handle blanket weed.

TYPE	ARTNR.	EURO
Kreepy Kruiser	RD473	283,00



POOL VACUUM CLEANER LIL SHARK

code 721

- Min. flow is 5m³/h.
- Brush and suction function.
- Easy installation and user friendly.
- Incl. 10 metre of hose and accessories.
- Ø 25 cm.

TYPE	ARTNR.	EURO
Lil Shark	RD474	347,00



PENTAIR BLUE FURY PRESSURE-SIDE INGROUND CLEANER

code 900

As part of Pentair's ever-evolving cleaners line, the BLUEFURY cleaner delivers high performance cleaning that dominates the competition. No other cleaner features four venturis for the most powerful cleaning ever. The BLUEFURY cleaner delivers greater suction than other pressure-side cleaners, and supports the industry's largest vacuum tube—to tackle debris of all shapes and sizes with ease. The built-in rotating brush makes quick work of hard-to-remove debris and is great for sandy environments and new pool finishes. Its deep cleaning and speedy performance will have you spending less time cleaning and more time enjoying your pool.

Product Features:

- 30% faster than any other pressure-side cleaner.
- Front rotating brush scrubs and scours for a deep and detailed clean.
- Large intake captures debris of all sizes.
- Cleans continuously in forward and reverse modes for complete, uninterrupted coverage.
- Greater suction than other cleaners for greater pickup power.
- Ultra-bright LED lights illuminate and enhance night-time cleaning.
- Quick and easy to maintain—innovative design makes servicing a snap.
- 4 Venturi Jets
- Internal Back Up Valve
- Including flow gauge to set cleaner speed.



TYPE	ARTNR.	EURO	KG	SIZE
BLUEFURY™ inground pool cleaner	TA608	849,00	10,5	71 x 56 x 29 cm



DOLPHIN SUPREME M4 ROBOTIC POOL CLEANER FOR WALL & FLOOR CLEANING

code 900

The next generation of robotic pool cleaning! Bringing together more than 25 years of expertise in automated pool cleaning, every Dolphin robot combines advanced cleaning technologies with proven reliability to ensure maximum satisfaction. With a Dolphin Supreme M4 working for you, you can relax and enjoy your pool, with full confidence that it is completely clean and hygienic.

Maximum hygiene - Unique triple-active brushing efficiently eliminates algae and bacteria leaving your pool water clean and safe and reducing the need for chemicals.

Reliable filtration in all pool conditions - Exclusive, dual-level filtration system ensures a dust and dirt free pool, without clogging, leaving crystal-clear water throughout your pool.

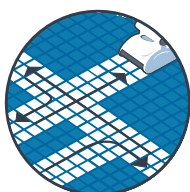
Reliable performance and ease of use - Advanced technologies deliver precise scanning and total cleaning efficiency all the way to the water line, in minimal time and without intervention.

Features and benefits:

- Brushes, scrubs, vacuums and filters the entire pool including the floor, walls and waterline.
- Equipped with high-quality filtering cassettes.
- Exclusive, dual-level filtration system ensures a dust and dirt free pool.
- Top opening filtration compartments for easy and convenient maintenance.
- Automatic motor protection mechanism and built-in self-diagnostics.
- Provided with unique triple-active brushing.
- Adjustable cleaning time of 2,3,or 4 hours (automatic shut off at end of each cycle).
- Adjustable time interval for the span of time in which the Dolphin is supposed to clean the walls and/or water lines.
- Caddy included.
- Combined brushes match all pool terrains.
- Advanced technologies deliver precise scanning and total cleaning efficiency all the way to the water line, in minimal time.
- Swivel on cable prevents cable tangling.
- 36 months warranty on all parts.
- DIY – easy maintenance at user and local dealer level.
- Cable: 18 m.
- Recommended for pools up to 12m in length.

TYPE	ARTNR.	EURO
Dolphin Supreme M4	TA600	1635,00

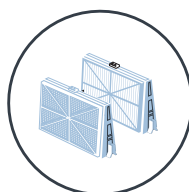
Cycle time	2½ hours
Cable length	18 meter
Filter bag porosity	Ultra fine Micronic filtration
Suction rate	17m³/h (internal pump)
Motor unit voltage	24VDC
Power supply	Universal Digital <30 VDC; IP54
Caddy	Included
Warranty	Three year warranty (all parts included, except brushes).



Full pool scanning



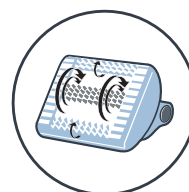
Floor, wall & waterline cleaning



Filtration: option of 2 types



Top access



Extra active brush



DOLPHIN SUPREME M5 ROBOTIC POOL CLEANER FOR WALL & FLOOR CLEANING

code 900

Cleans pool floor, cove, walls and scrubs the waterline Recommended for in-ground residential pools up to 12 meters in length.

The Dolphin M5 absolutely sets the standards for robotic pool cleaners.

Dolphin Exclusive Features:

Weekly timer -- preset cleaning cycles throughout the week!

Full filter indicator-- lets you know it's time to clean the filter

Remote included for manual navigation and cycle options

Dual drive motors and split brushes for incredible manoeuvrability

Patented swivel cable helps prevent tangling

Incredibly efficient - costs less than 15 cents to clean the pool.

More:

Scrubs, vacuums and filters all pool surfaces in just 3 hours.

Includes caddy for portability and storage

Large inner filter cartridge, collects dirt, debris and even dust particles.

Plug-n-play! No pre-installation needed, no connections to pool system.

Self-programmed for optimal pool scanning.

M5 Specifications:

Cycle time: 1½, 2½, 3½ hours

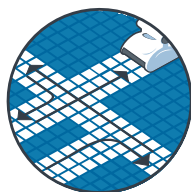
Cable length: 18 meters

Filter: Fine porosity

Suction rate: 17m³/h

Unit weight 22 lbs.

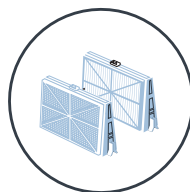
TYPE	ARTNR.	EURO
Dolphin Supreme M5	TA602	2045,00



Full pool scanning



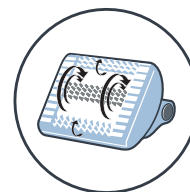
Floor, wall & waterline cleaning



Filtration: option of 2 types



Top access



Extra active brush

DOLPHIN ROBOT CLEANER FOR BIO-POOLS / NATURAL SWIM PONDS

code 828

The Dolphin Bio Suction is the First automatic bottom cleaner for bio-pools / natural swimming ponds. It combines the best proven features of the Dolphin technology and design with extra functions that answers the challenges of bio-pools. The Dolphin Bio Suction (patent pending) offers the best cleaning performances for pools up to 15m long. It complements the cleaning function of the filter by efficiently removing leaves and other waste particles through an internal filter or through an external connection and by scrubbing the floor. Relax and enjoy your pool while the Dolphin Bio Suction takes care of the maintenance. A unique triple active brush system with 2 Bio Brushes and a extra double-speed brush efficiently remove dirt, algae and bacteria; even from extreme slippery and unequal floors.

Cost effective, easy pool maintenance - Automatic cleaning with high performance saves time, effort and money. It helps balancing the water quality so you can use the pool water a longer time.

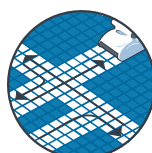
Versatile filtering and suction for all pool situations - Exclusive choice of 2 filter modes. The external suction through the pool pump gives a dust- and dirt free pool in all circumstances. The unit is controlled by a gyroscope which gives a optimum result.

Set and forget - With a weekly timer you can set your schedule. The remote control with control delay and a selection of various programs offer you total freedom in pool cleaning. The special Bio-intensive mode prevents turbidity (mud clouds) which will keep the water clean and clear.

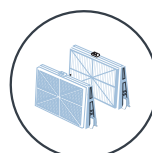
Super easy maintenance- Patented filter compartments on the top side provide easy access for cleaning.

TYPE	ARTNR.	EURO
Dolphin Bio bottom cleaner	SK100	2045,00
Dolphin Bio hose set	SK106	86,35

Cycle time	2/3/4 hours
Cable length	18 metres
Swivel on cable	Prevents cable entanglement
Brushes	Bio-brushes designed for slippery, unequal surfaces, optional extra active brush
Remote control	- Selection of cleaning programs - control delay - manual navigation
Weight	10.5 Kg
Waste hose	Suction connection is supplied
Pump capacity	17m³/h
Motor unit voltage	24 VDC
Universal power supply	Universal Digital 100-250 V, IP 54 Output less than 30 VCD
Caddy	Included
Warranty	24 months on all parts except for filter brushes



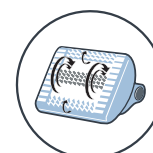
Scanning



Filtration: option of 2 types

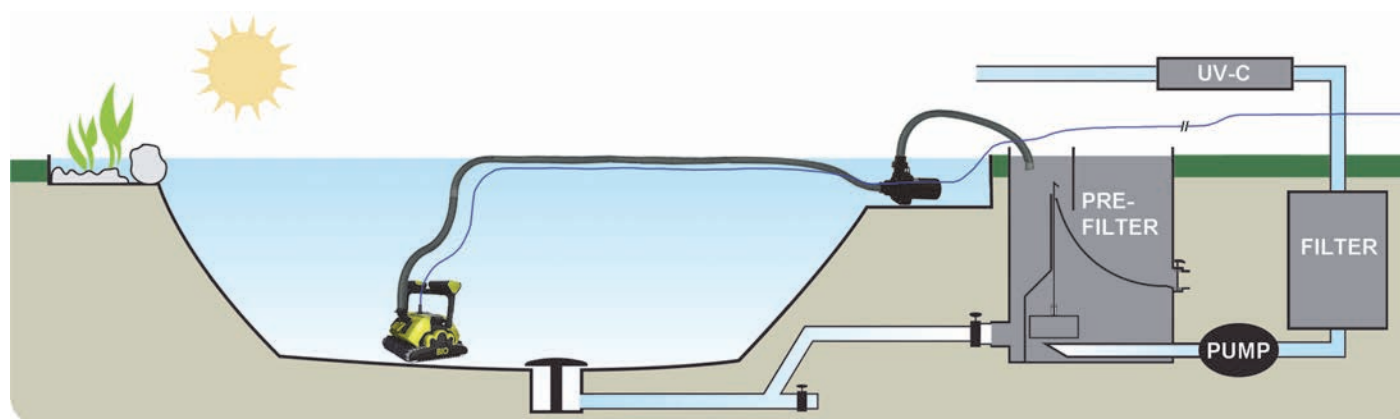


top access



Extra active brush

For swimming ponds systems without self-priming pool pump there is a interesting application for the Dolphin Bio: remove the filter cartridges and use the hose set. Connect the suction hose to a submersible dirty water pond pump (type Forza, AquaForte, etc.) that is positioned under water level. The dirty water can be transported to a pre-filter (i.e. a sieve filter) to remove larger waste particles without losing precious matured pond water.



SLUDGE TERMINATOR PROFESSIONAL VACUUM FOR (SWIM)PONDS

code 721

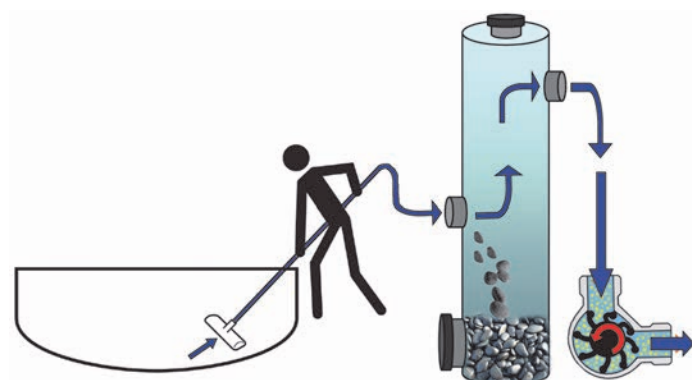
The Sludge Terminator offers a complete solution for removing sludge in ponds. The Sludge Terminator consists of a self-priming waste water pump with a flexible rubber impeller on a stainless steel trolley that sucks the water in through a special stone separator. In this separator, heavier solids like substrate and stones will settle in the lower part to protect the pump. The stone separator has a 4 inch screw cap for easy removal of

these solids and a top cap for easy priming of the pump and separator.

The Sludge Terminator is supplied with a 3,6 metre telescopic pole, pond vacuum and 12 meters of flexible floating hose. The dirty water can be transported to waste or garden or to a filter for further treatment. Waste outlet: 40mm hosetail.

Max. capacity: 5760 ltr/h. Max. head: 30 meters.

TYPE	ARTNR.	EURO
Sludge Terminator	RD450	1462,00
Flexible fan	RD455	76,05



PROFESSIONAL POND VACUUM CLEANER FOR STANDARD HIGH PRESSURE WASHERS

code 721

A great invention that turns every standard high pressure washer into a professional pond vacuum cleaner! Function: the cleaner creates a strong back pressure by means of a special nozzle. This back pressure will take out sludge and other sediments on the bottom but does not take out substrates, lava, gravel, plants, etc.! The cleaner has a brush to scrub off algae. Standard "pool click" system for telescope handles. Hose connection is 40mm. A great advantage, when compared to vacuum cleaners with a build in pump, is that this cleaner can be held above the water level again and again without losing the suction power (see photo). Because of the high pressure it is recommended to use a strong quality suction/pressure hose on the waste side, like the listed hoses in the table. Pressure hose connection is the standard M22 (male threaded).



TYPE	ART. NR.	EURO	CODE
Vacuum cleaner for high pressure cleaners	RD476	266,00	721
Threaded socket M22 (fem. thr.) 25mm	RD477	3,12	721
Telescope handle 1,8 - 3,6 metre	SF180	22,90	821
Telescope handle 2,4 - 4,8 metre	SF181	27,65	821
Suction/pressure hose Ø40mm black	KB224	6,45	515
Suction/pressure hose Ø40mm dark green	KB234	7,10	515

On this photo the vacuum cleaner demonstrates its enormous power (without waste hose)

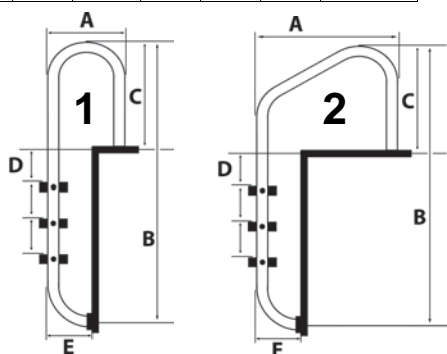


POOL LADDER ABOVE GROUND POOLS

code 374

Made of Stainless Steel 304 (Ø43mm). Width: 50cm. Comes with flange connection.

TYPE	ARTNR.	EURO	A mm	B mm	C mm	D mm	E mm	MODEL
3 treads	MD800	168,00	265	1320	490	250	150	1
4 treads	MD804	194,00	265	1570	490	250	150	1
3 treads	MD806	186,00	620	1570	700	250	180	2
4 treads	MD808	209,00	620	1820	700	250	180	2



STAINLESS STEEL WATER ATTRACTIONS

code 374

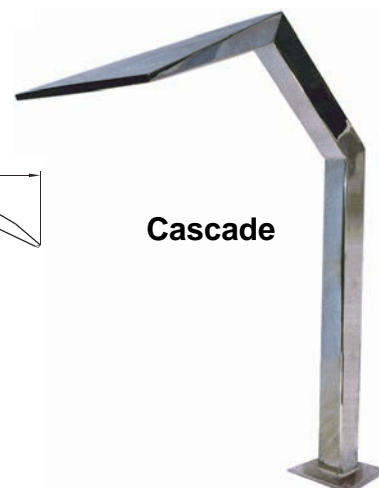
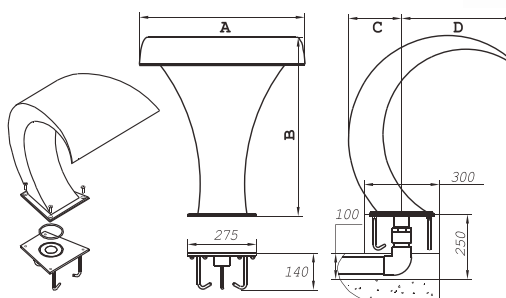
Stately water attractions made of polished Stainless Steel. Fitted with 2" female threading and fixation anchor.

* Ask for availability.

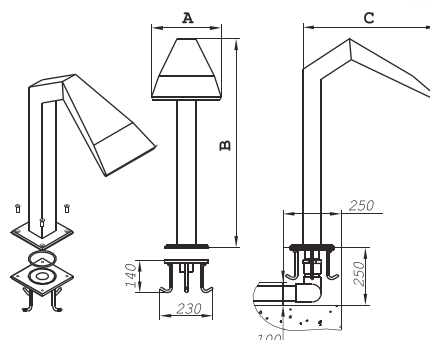
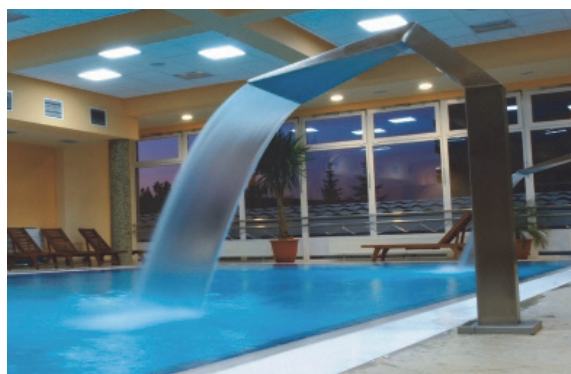
TYPE	ARTNR.	EURO	A	B	C	D	FLOW
Cobra 300 SS304	MD782	888,00	300mm	600mm	100mm	367mm	20m³/h
Cobra 350 SS316	MD783	1204,00	350mm	480mm	100mm	367mm	20m³/h
Cobra 500 SS304	MD784	1612,00	500mm	688mm	103mm	570mm	30m³/h
Cobra 700 SS304	MD785	2647,00	700mm	840mm	250mm	590mm	59m³/h
* Cascade 500 SS304	MD780	1372,00	500mm	1210mm	880mm	-	30m³/h



Cobra



Cascade



REEL FOR POOLFLEX HOSE

code 821

ABS/PP reel for max. 15m poolflex hose.

TYPE	ARTNR.	EURO
Reel for poolflex hose	SF196	43,85



SOLAR POOL COVER

code 406

Blue thermo bubble liner used as swimmingpool cover.
Bubble diameter: 10mm. Liner thickness: 400 micron.
Measurements: 510 x 1100 cm.

TYPE	ARTNR.	EURO
Bubblewrap cover 510 x 1100 cm	MD828	264,00



TRANSPORTABLE SOLAR REEL

code 374

Mobile unit for simply rolling up your liner. When the liner is rolled up it's easy to get it out of sight. The outer tube (8,1 cm) consists of 2 parts, the inner tube has a diameter of 7,6 cm. The minimum length of the unit after assembling it will be 3,9 metres and the maximum length is 5,5 metres. Material: STAINLESS STEEL, aluminium and ABS. The unit will be delivered in parts for self assembly.

TYPE	ARTNR.	EURO
Transportable solar reel	MD820	254,00



FLOATING CHLORINE DISPENSER

code 821

Can hold up to tablets with a diameter up to Ø75mm. Floating dispenser with adjustment ring.

TYPE	ARTNR.	EURO
Floating chlorine dispenser	SF193	5,60



FLOATING CHAIR

code 821

Measurements: 107 x 120 x 30,5 cm.

TYPE	ARTNR.	EURO
Floating chair with cupholder	SF195	77,55



ELECTRIC FENCE HERON KIT

code 806

With this electric fence you prevent the herons from reaching your pond. Harmless, but highly effective heron kit.
How does it work: An electrical impulse is given to the wire which is set up around the pond. When touched, an impulse is given and keeps the heron away from the pond in the future. With a voltage tester, the wire can be tested for voltage. The yearly electric cost approximately are 0,22 Euro, a small investment.

- Safe for children and pets.
- Easy and fast to install.
- Low power consumption.
- Materials fit the garden surroundings.

TYPE	ARTNR.	EURO
Heron kit 100 metres wire	SB337	75,00
Heron kit 500 metres wire	SB338	181,00
Set of 10 brackets	SB339	8,80



10 x

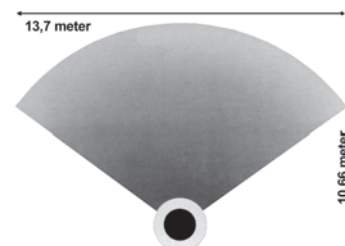


SCARECROW MOTION ACTIVATED SPRINKLER

code 806

The original electronic heron scarer. Detects the heat and movement of an unwanted visitor. The effect of sudden noise, movement and water is both startling and immediate, and animals quickly get out of the area and avoid it in the future. The device is being delivered with a gardenhose connection and a 9V alkaline battery!

TYPE	ARTNR.	EURO
Scarecrow	SB330	86,30

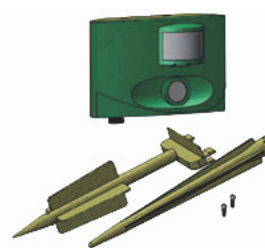


CAT STOP DETERRENT SYSTEM

code 806

Easily and safely keeps cats out of your garden and pond. Unlike many pest deterrents that operate continuously, CatStop unit waits for the animal to be in range; Internal sensor detects the crossing of a warm body in the field of view; Powerful ultrasonic sound burst startles the animal; Animal equates the location with an unpleasant occurrence; Animal avoids the location. Works for 6 months with a single 9-volt alkaline battery or can be used with a optional 230volt adapter. Range is about 26m².

TYPE	ARTNR.	EURO
CatStop	SB335	62,25
Adapter 230V for CatStop	SB336	22,65



H-TRAP PROFESSIONAL HORSEFLY CONTROL SYSTEM

code 827

Controlling horseflies without chemicals!

Horseflies are a very painful nuisance when they bite humans and animals to feed on blood. Their larvae hibernate in damp conditions around watercourses, lakes, ponds or marshy ground. The adults emerge from April onwards, presenting a constant problem to nearby horses, cattle and people. The H-trap has been cleverly designed to take advantage of the horseflies natural behaviour, **with independent tests showing a 90- 95% reduction in populations.**

Function:

Using 'nature' to trap. The horsefly uses sight not smell to find its prey, so the H-trap has a large inflated rubber ball that the fly believes is an animal, on which it is tempted to land and bite. After trying unsuccessfully, the horseflies will leave the ball. Since the horseflies are vertical flyers, they can only fly upwards through the funnel and are lead into the transparent collection bin. From this bin they cannot escape.

Characteristics:

- Steel-coated corrosion proof construction
- Weather-proof design
- Reduces the horsefly population by up to 95%
- Easy installation, by means of an integrated ground drill
- Environmentally friendly
- Ergonomic design, allows easy handling of the trap
- Effective and easy control of horseflies
- 2 years warranty on mechanical defects

How to get the best out of your H-trap:

- To maximise interception of horseflies before they reach their target prey, identify their likely flight paths from damp areas (ponds, riverbanks, etc.) to where humans or animals congregate.
- Decide if more than one H-trap is required (max. up to 5 horses or 10.000 m2 (100 x 100 m)
- Position your H- trap(s) between these areas, but closer to places where animals congregate e.g. stable yards.
- Place your H-traps early, preferably just before the first adult horseflies emerge in April.
- Check traps weekly, emptying and topping up with soapy water as necessary.
- If the H-trap is not catching sufficient numbers of flies, and you are sure adult emergence has started, reposition the trap.

Specifications:

Size: Ø 120 cm, height above ground: 2,20 meter.
 Colour: Black (ball) & green (conical plastic cap).
 Material: galvanized mounting frame, thickness: 2,0 m.
 Weight: 15 kg. Packaging: 1100(L) x 310 x 210mm.
 Tools: inflation valves and 0,25" Allen key supply.

TYPE	ARTNR.	EURO
H-Trap Horsefly control system	SK650	169,00



BLANKET WEED KILLER

code 812

The electronic solution for blanket weed: Operates by means of magnetic radio waves, because of threads are winded around the duct. Controls the growth of blanket weed, good and save for your fishes and plants. Suited for ponds of 25m³ or 50 m³, can also be used anti-limestone device for the water supply system.

TYPE	ARTNR.	EURO
Anti blanket weed 25.000	SC832	33,00
Anti blanket weed 50.000	SC834	49,00



POND COVER NETTING

code 806

The nets are selected and packed on size and in a full colour box, including 10 plastics stakes.

* Ask for availability.

SIZE	ARTNR.	EURO
3 x 4 metre	SB310	8,90
4 x 4 metre	SB312	10,80
5 x 4 metre	SB314	12,15
6 x 4 metre	SB316	13,60
* Pond net stakes in box (100 pieces)	SB318	12,65



PREFILTER / PUMP PROTECTOR

code 806

You can put the pump in this two-part protection filter or you can use it as a suction filter.

TYPE	ARTNR.	EURO
prefilter	SB322	7,30



FEEDING RING

code 806

Floating feeding ring for aimed feeding.

TYPE	ARTNR.	EURO	PACK
feeding ring	SB302	2,40	13



FROST PREVENTION

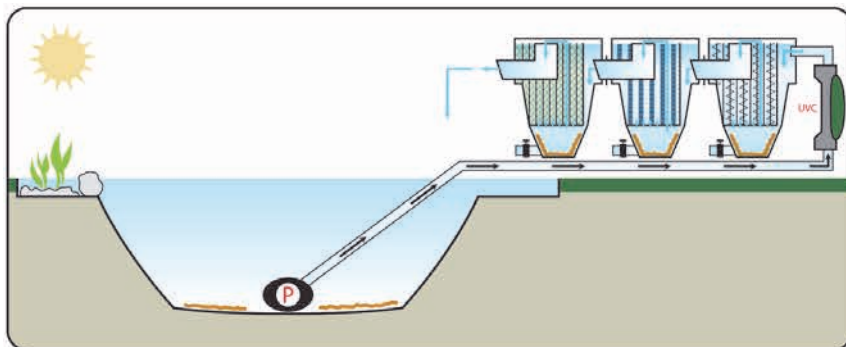
code 806

Frost prevention device in plastic carrying bag, also available with a connection for a pump on a venturi. This in order to keep the pond ice-free by blowing air into it.

TYPE	ARTNR.	EURO
Frost Preventor standard	SB304	8,95
Frost Preventor with venturi	SB306	17,85

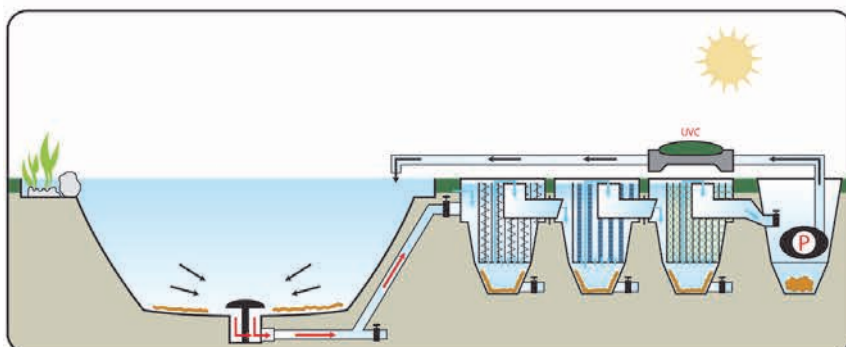


EXAMPLE POND INSTALLATION



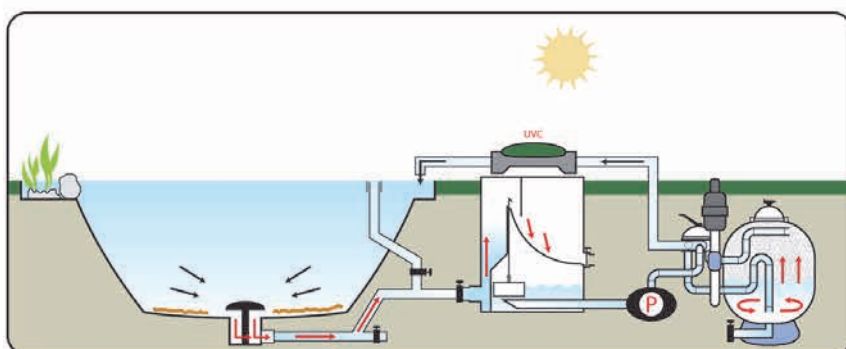
Pump fed multibay system

A submersible dirty water pump pumps the water through a UVC unit into the Multi-bay system. The water returns to the pond in gravity.



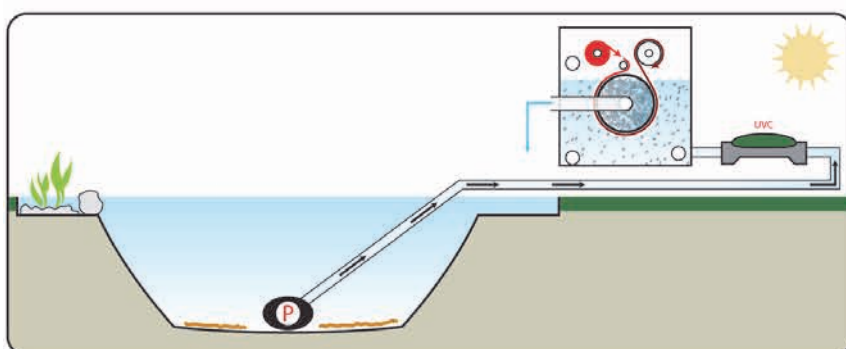
Gravity fed multibay system

The water travels through the bottom in gravity to the Multibay filter. From the last chamber the water is pumped back to the pond.



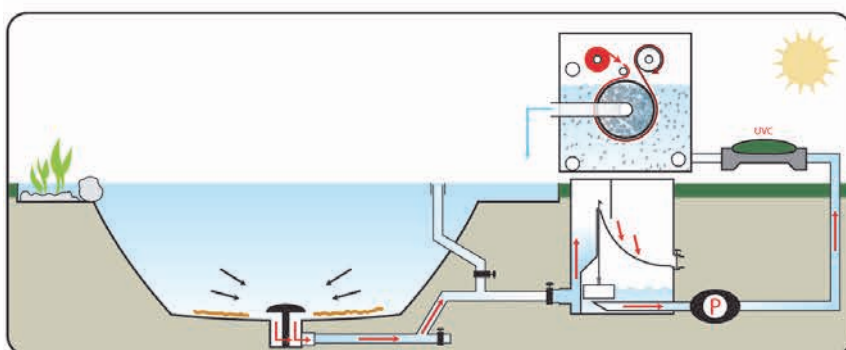
Gravity fed beadfilter system

The water travels through the bottom in gravity to the Sieve filter. From the Sieve filter the water is pumped to the Beadfilter and UVC-unit back to the pond.



Pump fed fleecefilter system

A submersible dirty water pump pumps the water through a UVC unit into the fleece filter. The water returns to the pond in gravity.



Gravity fed fleecefilter system

The water travels through the bottom in gravity to a pump vault, vortex or Sieve filter. The pump pumps the water through a UVC unit into the fleece filter. The water returns to the pond in gravity.

EXAMPLE POND INSTALLATION

